



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613-632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO24179

Purchase Order Date 5/12/2014

PO Print Date 5/12/2014

Page Number 1 of 5

Order From :

VU-BEA001

Ship To : DART AEROSPACE LTD

B/E AEROSPACE INC
88289 EXPEDITE WAY
CHICAGO, IL 33172
USA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 305-925-2600

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency USD

FOB FCA - (Free Carrier)

m/29 198

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	127H-35 <i>39</i>	HALF GROMMET	5/19/2014 Yes 12:50:00 PM		100.00 Each	\$0.15	\$15.00
Line Total:							\$15.00
2	2600-LW	Camlock Retaining Washer	5/19/2014 Yes 12:50:00 PM	FN	75.00 Each	\$0.20	\$15.04
Line Total:							\$15.04
3	212-12 <i>51396</i>	Receptacles	5/19/2014 Yes 12:50:00 PM	FN	100.00 Each	\$2.50	\$250.00

44/01/2

Note:

5/12/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO24179**

Purchase Order Date 5/12/2014

PO Print Date 5/12/2014

Page Number 2 of 5

Order From :

VU-BEA001

B/E AEROSPACE INC
88289 EXPEDITE WAY
CHICAGO, IL 33172
USA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 305-925-2600

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency USD

FOB FCA - (Free Carrier)

Line Total: \$250.00

4	AN3C5A	Bolt	5/19/2014	FN	200.00	✓	\$0.34	\$67.42
	350		Yes		Each			
			12:50:00 PM					

Line Total: \$67.42

5	AN924-6J	NUT	5/19/2014		20.00		\$2.60	\$52.00
	526		Yes		Each			
			12:50:00 PM					

Line Total: \$52.00

6	FE-832-EF	PEM Insert	5/19/2014		75.00		\$0.28	\$20.78
			Yes		Each			
			12:50:00 PM					

Line Total: \$20.78

Note:

5/12/2014



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PURCHASE ORDER

Purchase Order ID PO24179

Purchase Order Date 5/12/2014

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Page Number 4 of 5

Order From :

VU-BEA001

Ship To : DART AEROSPACE LTD

B/E AEROSPACE INC
88289 EXPEDITE WAY
CHICAGO, IL 33172
USA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

305-925-2600

Ship To Contact

Ship To Phone

Ship Via:

FedEx PI collect

Ship Acct:

Buyer

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Line Total: \$35.71

11 MS24694-S154

Screw

5/19/2014

50.00

\$1.05

\$52.59

Yes

Each

12:50:00 PM

Line Total: \$52.59

12 MS9519-10

Bolt

5/19/2014

10.00

\$1.40

\$14.04

Yes

Each

12:50:00 PM

Line Total: \$14.04

13 NAS1611-005

O-RING

5/19/2014

75.00

\$0.41

\$30.53

Yes

Each

12:50:00 PM

Line Total: \$30.53

Note:

5/12/2014



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1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
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Purchase Order Date 5/12/2014

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Page Number 5 of 5

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VU-BEA001

Ship To : DART AEROSPACE LTD

B/E AEROSPACE INC
88289 EXPEDITE WAY
CHICAGO, IL 33172
USA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

305-925-2600

Ship To Contact

Ship To Phone

Ship Via:

FedEx PI collect

Ship Acct:

Buyer

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

14	NAS1611-010	O-RING	5/19/2014	100.00	✓	\$0.35	\$34.96
			Yes	Each			
			12:50:00 PM				

Line Total:

\$34.96

15	71401-45		5/19/2014	0.00		\$0.00	\$0.00
			No				
			12:50:00 PM				

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A014 SHELF LIFE CONTROLLED MATERIAL; 70% SHELF
LIFE REQUIRED AT RECEIPT

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT

A033 STATEMENT OF CONFORMITY/TEST RECORDS

FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

Line Total:

\$0.00

PO Total:

\$976.47

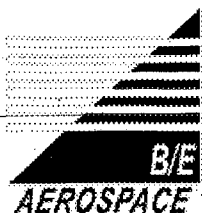
Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr:

3

Change Date:

5/12/2014



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	CURE DATE	EXP DATE
14	100	EA	NAS1611-010		JJBE18 3Q10	SIMRIT FREUDENBERG,	KC3N2	10/05/10	UNLIMITED


Jason Lewis
Vice President of Quality

05/14/14

Receiving Report

Date: 1/10/16

Batch No: M129158

Supplier: BE

Dart P/O: 24179

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒
 New Supplier Yes ☐ No ☐

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒
 Shipment Complete: Yes ☐ No ☒ N/A ☐
 QC18 Inspection ☐ N/A ☒
 Work Order ☐ N/A ☐

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number
<u>FLC-832-14F</u>		<u>75</u>	<u>0</u>	<u>75</u>			

Initials of Receiver QC12 [Signature]

Production/Admin:

Date _____
 Received/Costing _____
 Initial _____

Location _____

10/18/10

CUSTOMS INVOICE/PACKING SHEET



2639537 00

Cust#: 41513
SOLD TO: B/E AEROSPACE
CONSUMABLES MANAGEMENT

SHIP TO: B/E Aerospace Consumables Management
Parc d'activite des Bethunes
12Avenue du Fief

STE OUEN L'AUMONE, FR
Pref. Routing Routine: FEDX INTL ECON

CORRESPONDENCE TO: B/E AEROSPACE
CONSUMABLES MANAGEMENT
10000 N.W. 15th Terrace
Miami, FL 33172

UPC VENDOR	INVOICE NO.	ON DOCK
000000		10/12/10
PROMISED	REQUEST	SHIPPED
10/18/10	10/18/10	
CUSTOMER P.O.		CUSTOMER RELEASE
OSM492		OSM492

P.O. NUMBER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
OSM492	1	NAS1611-010		2000.00	EA				2000.00	0.00	2000.00
		Desc: PACKING "11"									
		PCAT: S									
		No License Required									
		MFR- Name: INTERNATIONAL SEAL - FNGP	226147	1133.00		Cure: 3Q2010		US			
		MFR-Product: 62AS568-010 E458									
		Revision: 10									
		MFR- Batch: JHEE18									
		MFR- Name: INTERNATIONAL SEAL - FNGP	226734	867.00		Cure: 3Q2010		US			
		MFR-Product: 62AS568-010 E458									
		Revision: 10									
		MFR- Batch: JJBE18									
		IT IS HEREBY CERTIFIED THAT THE ITEM IDENTIFIED HEREIN CONFORMS TO AN ESTABLISHED INDUSTRY, U.S. GOVERNMENT, OR COMMERCIAL STANDARD. PARTS ARE BEING SHIPPED BY KAPCO ON BEHALF OF BE AEROSPACE CONSUMABLES MANAGEMENT, UNDER									

The merchandise listed has been produced in accordance with Fair Labor Standards Act of 1938 as amended. No claims allowed unless made within ten (10) days after receipts of Goods and in no case shall the liability assumed by us under the guarantees either expressed or implied, exceed the face value of the invoice for the merchandise in question.

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. Law is prohibited.

SHIPPED UNDER NLR HS#8803.30.0010 - ECCN: 9A991.D
COUNTRY OF ORIGIN: USA

TOTAL BOX VALUE:

PAGE 1



CERTIFICATE OF CONFORMANCE

WE HEREBY CERTIFY THAT THE PRODUCT SUPPLIED IS NEWLY MANUFACTURED, CONFORMS TO THE APPROVED DESIGN DATA, AND MEETS ALL REQUIREMENTS OF THE APPLICABLE PURCHASE ORDER. EVIDENCE OF CONFORMANCE IS ON FILE AND AVAILABLE FOR REVIEW UPON REQUEST.

TIM GILL
CORPORATE VICE PRESIDENT OF QUALITY

Thank You For This Order
PACKING LIST

10/18/10

CUSTOMS INVOICE/PACKING SHEET



2639537 00

Cust#: 41513

SOLD TO: B/E AEROSPACE
CONSUMABLES MANAGEMENTSHIP TO: B/E Aerospace Consumables Management
Parc d'activite des Bethunes
12Avenue du FiefSTE OJEN L'AUMONE, FR
Pref. Routing Routine: FEDX INTL ECON

UPC VENDOR	INVOICE NO.	ON DOCK
000000		10/12/10
PROMISED	REQUEST	SHIPPED
10/18/10	10/18/10	
CUSTOMER P.O.		CUSTOMER RELEASE
OSM492		OSM492

CORRESPONDENCE TO: B/E AEROSPACE
CONSUMABLES MANAGEMENT
10000 N.W. 15th Terrace
Miami, FL 33172

P.O. NUMBER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
		LICENSING AGREEMENT. S/L: UNLTD ARP5316 INSP BY: Yvette Ramos 10/18/2010									

TOTAL BOX VALUE:

PAGE 2

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COUNTRY OF ORIGIN: USA



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TIM GILL
CORPORATE VICE PRESIDENT OF QUALITYThank You For This Order
PACKING LIST

Alcoa Fastening Systems



Shipper ID: 863220

Page: 1

Sold To: 5574
B/E AEROSPACE, INC.
ATTN: ACCOUNTS PAYABLE
P.O. BOX 025263
MIAMI, FL 33102-5263
USA

Ship To: 55740014
B/E AEROSPACE CONSUMABLES
9835 NW 14TH ST
MIAMI, FL 33172
USA

Shipped From:
AFS -TORRANCE
AEROSPACE PRODUCTS
TORRANCE OPERATIONS
3000 WEST LOMITA BLVD.
TORRANCE, CA 90505
TEL: 310-530-2220
USA

Ship Date: 11/21/13
Print Date: 12/30/13
Time: 11:34:08

Ship Via: FED EX GRD
INCO Terms: FCA TORRANCE

Container/Weight:
Carrier Shipment Ref: 863220
Bill Lading #:

SHIP VIA :FED EX G

BUYER: OLGA

PHONE:

MATERIAL COMPLIES WITH DEARS 252.225-7009 PREFERENCE FOR DOMESTIC SPECIALTY
METALS" WITH ITS ALTERNATE 1

***SHIP VIA FEDX GRD COLLECT ACCT# 0331-0149-0 IF 150 LBS OR MORE SHIP FED
EX FREIGHT ECONOMY COLLECT ACCT# 018757
DO NOT SHIP BY ANY OTHER WITHOUT PROPER WRITTEN AUTHORIZATION.

ALLOWABLE SHIPPING TOLERANCE = +0%-0 %.

** BAR CODE PER QAP 33 CLAUSE P REQUIRED **

** QAP 33.0 REV F CLAUSES: A,A.1,B,C,E,H,P,U,V. CLAUSE A.3 GENERAL TERMS
APPLIES.

Sales Order: F430267 Order Date: 04/10/12 Purchase Order: 0HEE59

Remarks: VITA

Ln	Item Number	Description	Rev	Qty Shipped	Qty B/O UM
----	-------------	-------------	-----	-------------	------------

5	BACW10X4	LOCKWASHER (2600-LW)		33119.0	0.0 EA
---	----------	----------------------	--	---------	--------

TSO C148

Cust Line #: 4

Customer Item: BACW10X4

Required Date: 08/29/13 Promised Date: 12/10/13

C OF C

DUAL CERT TO: 3D0050-3

Loc/Lot: S5BB32 1674817 33,119.00 COO: US

HTS CODE: 7318220000

SCHEDULE-B NUMBER: 7318220000 ECCN: 9A991

The export classification appears above. You are responsible for all

ALCOA GLOBAL FASTENERS, INC.

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. ANY CLAIM BASED ON AN ALLEGED DISCREPANCY (IN AMOUNT, QUANTITY, ETC.), BETWEEN THE GOODS ACTUALLY SHIPPED AND / OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NO LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON.

CUSTOMER'S COPY

Alcoa Fastening Systems



Shipper ID: 874555

Page: 1

Sold To: 5574
B/E AEROSPACE, INC.
ATTN: ACCOUNTS PAYABLE
P.O. BOX 025263
MIAMI, FL 33102-5263
USA

Ship To: 55740014
B/E AEROSPACE CONSUMABLES
9835 NW 14TH ST
MIAMI, FL 33172
USA

Shipped From:
AFS -TORRANCE
AEROSPACE PRODUCTS
TORRANCE OPERATIONS
3000 WEST LOMITA BLVD.
TORRANCE, CA 90505
TEL: 310-530-2220
USA

Ship Date: 03/03/14
Print Date: 03/03/14
Time: 12:55:14

Ship Via: FED EX
INCO Terms: FCA AFS TORRANCE

Container/Weight:
Carrier Shipment Ref: 874555
Bill Lading #:

SHIP VIA : FED EX

BUYER: EDWARD PANETTA

PHONE:

MATERIAL COMPLIES WITH OFARS 252.225-7009 PREFERENCE FOR DOMESTIC SPECIALTY METALS" WITH ITS ALTERNATE 1

***SHIP VIA PEDX GRD COLLECT ACCT# 0331-0149-0 IF 150 LBS OR MORE SHIP FED EX FREIGHT ECONOMY COLLECT ACCT# 018757 ***

DO NOT SHIP BY ANY OTHER WITHOUT PROPER WRITTEN AUTHORIZATION.

ALLOWABLE SHIPPING TOLERANCE = +0%-0 %.

** BAR CODE PER QAP 33 CLAUSE P REQUIRED **

** QAP 33.0 REV H CLAUSES: A,B,C,E,H,P,U,V. CLAUSE A.3 GENERAL TERMS APPLIES.

REV: B

RELEASE NUMBER: 9G2DOPEM11

Sales Order: F466665 Order Date: 05/14/13 Purchase Order: OPEM11

Remarks: ADILENE

Ln	Item Number	Description	Rev	Qty Shipped	Qty B/O UM
3	BACR11AW2	RECEPTACLE (212-12)		25000.0	0.0 EA
	TSO C148				
	Cust Line #: 3				
	Customer Item: BACR11AW2				
	Required Date: 04/14/14	Promised Date: 04/21/14			
	MFG C OF C CHEM & PHYS TEST REPORT REQ				
	PLEASE DUAL CERT PART NUMBER BACR11AW2 TO PART NUMBERS: HS4430-1,				
	NSA55134-302, BACR11Y2				
	Loc/Lot: S5DD22	1624302		9,810.00	COO: CN

ALCOA GLOBAL FASTENERS, INC.

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CUSTOMER'S COPY

**Alcoa
Fastening
Systems**



Shipper ID: 874555

Page: 2

Sold To: 5574
B/E AEROSPACE, INC.
ATTN: ACCOUNTS PAYABLE
P.O. BOX 025263
MIAMI, FL 33102-5263
USA

Ship To: 55740014
B/E AEROSPACE CONSUMABLES
9835 NW 14TH ST
MIAMI, FL 33172
USA

Shipped From:
AFS -TORRANCE
AEROSPACE PRODUCTS
TORRANCE OPERATIONS
3000 WEST LOMITA BLVD.
TORRANCE, CA 90505
TEL: 310-530-2220
USA

Ship Date: 03/03/14
Print Date: 03/03/14
Time: 12:55:14

Ship Via: FED EX
INCO Terms: FCA AFS TORRANCE

Container/Weight:
Carrier Shipment Ref: 874555
Bill Lading #:

Ln Item Number Lot/Serial

3 BACR11AW2 *** Cont ***
Loc/Lot: S5DD24 1685421 15,190.00 COO: US
HTS CODE: 7415290000
SCHEDULE-B NUMBER: 7415290000 ECCN: 9A991
The export classification appears above. You are responsible for all
related export license requirements.

***** Total Qty Shipped 25,000 *****

ALCOA GLOBAL FASTENERS, INC.

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CUSTOMER'S COPY

----- CERTIFICATE OF CONFORMANCE -----

TO: KAPCO
3120 EAST ENTERPRISE ST
BREA, CA 92821-6237

Cust. PO NO: 224246-00

Contract NO:
S/O Number: 06231898

Specification : NAS 1613 Rev 2

L#	Our Part Number/Customer P/N	Quantity	Batch	Cure
001	62AS568-010 E458 NAS1611-010	1,066.00 NAS1611-010 REV 10	JJBE18	3Q10

Test Description

Examination of Product (MIL-STD-413)

Fluid Immersion, Skydrol 500B4; 70 hrs @ 160F; ASTM D471:
Volume Change, %

Specific Gravity
ASTM D297

Hardness, Durometer M; Unsoaked Condition

Test Results

Pass

2.9

1.2

82

Requirements

0 To 8

1.18 To 1.22

75 To 85

This is to certify that the above parts were made in conformity with the specification listed, and that the above test results were obtained. This report shall not be reproduced, except in full, without the written approval of ISC-FNPG laboratory. The material furnished is free from Mercury contamination.

Signed:

Title : Quality Assurance Representative

Date : 10/05/10



KAPCO ICN

22 6 7 3 4 -

B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
2	75	EA	2600-LW		1674817	ALCOA TORRANCE/CAMLO	71286		


Jason Lewis
Vice President of Quality

05/14/14

**Alcoa
Fastening
Systems**



Shipper ID: 863220
Page: 1

Sold To: 5574
B/E AEROSPACE, INC.
ATTN: ACCOUNTS PAYABLE
P.O. BOX 025263
MIAMI, FL 33102-5263
USA

Ship To: 55740014
B/E AEROSPACE CONSUMABLES
9835 NW 14TH ST
MIAMI, FL 33172
USA

Shipped From:
AFS -TORRANCE
AEROSPACE PRODUCTS
TORRANCE OPERATIONS
3000 WEST LOMITA BLVD.
TORRANCE, CA 90505
TEL: 310-530-2220
USA

Ship Date: 11/21/13
Print Date: 12/30/13
Time: 11:34:08

Ship Via: FED EX GRD
INCO Terms: FCA TORRANCE

Container/Weight:
Carrier Shipment Ref: 863220
Bill Lading #:

SHIP VIA :FED EX G

BUYER: OLGA

PHONE:

MATERIAL COMPLIES WITH DFARS 252.225-7009 PREFERENCE FOR DOMESTIC SPECIALTY METALS" WITH ITS ALTERNATE 1.

***SHIP VIA FEDX GRD COLLECT ACCT# 0331-0149-0 IF 150 LBS OR MORE SHIP FEE

EX FREIGHT ECONOMY COLLECT ACCT# 018757-1**

DO NOT SHIP BY ANY OTHER WITHOUT PROPER WRITTEN AUTHORIZATION.

ALLOWABLE SHIPPING TOLERANCE = +0%-0 %.

** BAR CODE PER QAP 33 CLAUSE P REQUIRED ***

** QAP 33.0 REV F CLAUSES: A,A.1,B,C,E,H,P,U,V. CLAUSE A.3 GENERAL TERMS APPLIES.

Sales Order: F430267 Order Date: 04/10/12 Purchase Order: 0HEE59

Remarks: VITA

Ln	Item Number	Description	Rev	Qty Shipped	Qty B/O UM
----	-------------	-------------	-----	-------------	------------

5	BACW10X4	LOCKWASHER (2600-LW)		33119.0	0.0 EA
---	----------	----------------------	--	---------	--------

TSO C148

Cust Line #: 4

Customer Item: BACW10X4

Required Date: 08/29/13 Promised Date: 12/10/13

C OF C

DUAL CERT TO: 3D0050-3

Loc/Lot: S5BB32 1674817 33,119.00 COO: US

HTS CODE: 7318220000

SCHEDULE-B NUMBER: 7318220000 ECCN: 9A991

The export classification appears above. You are responsible for all

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted below were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. This document must not be reproduced except in full and relates only to the items tested.

[Signature]
Director of Quality Assurance
Torrance Operations

ALCOA GLOBAL FASTENERS, INC.

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. ANY CLAIM BASED ON AN ALLEGED DESCREPANCY (IN AMOUNT, QUANTITY, ETC.), BETWEEN THE GOODS ACTUALLY SHIPPED AND / OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NO LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON.

CUSTOMER'S COPY



Page: 2

Ship To: 55740014
B/E AEROSPACE CONSUMABLES
9835 NW 14TH ST
MIAMI, FL 33172
USA

Ship Date: 11/21/13
Print Date: 12/30/13
Time: 11:34:08

Container/Weight:
Carrier Shipment Ref: 863220
Bill Lading #:

related export license requirements.

***** Total Qty Shipped: 33/349 *****

CERTIFICATION

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**Director of Quality Assurance
Torrance Operations**

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CUSTOMER'S COPY



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
10	25	EA	MS24694-S152		79662	CRESCENT MFG.	63020		


Jason Lewis
Vice President of Quality

05/14/14

CRESCENT MANUFACTURING

P.O. BOX 1350
BURLINGTON, CT 06013-1350
(860) 673-2591 FAX (860) 673-5973

Picking Ticket	26719
Document Date	2/8/2012
Page	1
Date Time Printed	5/3/2013 12:40:02 PM

Bill To:

B/E AEROSPACE CONSUMABLES MGMNT
PO BOX 025263
MIAMI FL 33102-5263
UNITED STATES

Ship To:

B/E AEROSPACE CONSUMABLES MGMNT
9835 NW 14TH ST
MIAMI FL 33172
UNITED STATES

NO OVER 150#+ FX FRT 018757
FED X SAVER 033101490

*P SW
my
mt*

Customer ID	Purchase Order No.	Shipping Method	UPS Account No.	Date	
11610	OFKR37	TRUCK	UPS 363159	5/6/13	
Item Number	Description	Location	Stk Amt	Pick Qty	Qty Picked
MS24694-S152*	*5/16-24 X 1.281 PH FLAT 100 MRK HD W/GRIP CL3A 8740 STEEL HARD CAD TYPE 2 CL3 REV 2 DFARS 3 x 1.5m 1 x .5m			5.0	5m 4.3xs
CTD	CHEM & PHYS TEST REPORT DFARS COMPLIANT SHIP 9/27/12 SURE NOT B4			1.0	

VENDOR Wiretech

DIA & TYPE .312-8740

HEAT # 10K2660

CRESCENT MFG

T.R. NO 79462

APW: 0.02837349 Lbs

MADE IN THE USA

Nº 79662

CERTIFICATE OF COMPLIANCE TEST REPORT

FORM REV A 11/09

MADE IN THE U.S.A.

CUSTOMER NAME B/E AEROSPACE CONSUMABLES

PART NO. MS24694-S152* REV 2

PURCHASE ORDER NO. OFKR37

INTERNAL ROUTING NO. 26719

QUANTITY FIVE THOUSAND

MATERIAL/SPECIFICATION .312 A-8740 WIRETECH 10152660

DATE 5/6/2013

PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND INSPECTED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SPECIFICATIONS.

PHYSICAL PROPERTIES

TENSILE STRENGTH HARDNESS SCALE

- | | |
|----------------|----|
| 1) 7640.0 LB T | 1) |
| 2) 7577.0 LB T | 2) |
| 3) 7618.0 LB T | 3) |
| 4) 7755.0 LB T | 4) |
| 5) 7510.0 LB T | 5) |
| 6) | 6) |
| 7) | 7) |
| 8) | 8) |

CONFORMS TO THE PROCUREMENT SPECIFICATIONS OF:

NASM 7839

DFARS 252.225-7009

OTHER MECHANICAL TEST DATA

- ☐ MEET MAGNETIC PERMEABILITY REQUIREMENTS OF FF-S-92B, MIL-I-17214B, AND ASTM A342/A 342M TEST METHOD 3.

PARTS ARE FREE FROM MERCURY AND ASBESTOS CONTAMINATION.
VISUAL AND DIMENSIONAL INSPECTION SATISFACTORY

FINISH

CAD TYPE 2 CLASS 3 PER AMS QQ-P-416 REV C

OTHER TESTING:

PARTS MEET MAGNETIC PARTICLE EXAMINATION.

INSPECTED TO: ANSI/ASQ Z1.4 LEVEL 2

ADDITIONALLY, AN ANSI/ASQC Z 1.4 SAMPLE OF THE FINISHED FASTENERS WERE TESTED IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS. SAMPLE PARTS AND THE TEST DATA ARE IN OUR RECORDS RETENTION AREA AS OBJECTIVE EVIDENCE AND WILL BE HELD AS REQUIRED.

Signature

TRAGEY NIKSA, QC TECH

Cage Code #63020

CRESCENT MANUFACTURING OPERATING, CO.



700 George Washington Turnpike, Burlington, CT 06013, U.S.A.
Telephone: (860) 673-2591 Fax: (860) 673-5973



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

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www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
1	100	EA	127H-35		68998	DPCI SOLUTIONS	72794		


Jason Lewis
Vice President of Quality

05/14/14



425 Union Boulevard
West Islip, New York 11795
Phone: 631-669-0494
Fax: 631-669-0785

11/13/08

PACKING LIST

TAX ID NO. 11-0700610
CAGE CODE: 72794

** ANY CLAIMS OF SHORTAGES **
MUST BE DECLARED WITHIN
72 HOURS OF RECEIPT

SOLD TO: (817) 490-6320

SHIP TO: (817) 490-6320

HONEYWELL INTERNATIONAL, INC.
PO BOX 981157
EL PASO TX 79998-1157

HONEYWELL INTERNATIONAL, INC.
700 HENRIETTA CREEK RD.
ROANOKE TX 76262

ACCOUNT NO.	DEF ORDER NO.	DATE	CUSTOMER P.O. NO.	SLSMN	SHIP VIA	PROMISE DATE	TERMS
100106	054208-00	11/12/08	1013648		UPS STD COLLECT	12/10/08	01
QUANTITY		ITEM	CUSTOMER ITEM NO.	DESCRIPTION		UNIT OF MEASURE	
7700	7700	5D2-025-4990		127H-35			
	3300	5D2-025-4990		ST-1200 GROMMET C127H-35 REV B		B	
127H-35							
ST-1200 GROMMET C127H-35 REV B							B
UPS COLLECT 9AV-627 DO NOT SHIP B4 12/10/08							
QC CLAUSES A B C H P U V OK							
BAR CODE LABELS 2 COPIES OF P/T							
2 COPIES OF INVOICE, MARK BOX WITH PART #							
NO NEWSPAPER WADDING, LOOSE FILLED DUNNAGE,							
PEANUT FOAM OR SHREDDED MATERIAL USED FOR PKG.							
UPS Collect							
1bx - 7700 pcs - 1.97lbs → wt# 068998 → 188							
Gross 1bx - 3lbs							

PREPARED

CHECKED BY

DATE SHIPPED

WEIGHT

N.T

12/2/08

1.97lbs

CERTIFICATE OF CONFORMANCE ON REVERSE



mcc 1/2

DFCI SOLUTIONS, INC.
MANUFACTURE'S CERTIFICATE OF COMPLIANCE

This is to certify that all articles described on the reverse are in conformance with the requirements, specifications and/or drawings listed, and that no instruments containing mercury or any alpha radiation source have been used in the manufacture or test of the components and/or parts supplied by us.

Inspection and/or tests have been performed, as applicable to ISO 9001 and AS9100, utilizing equipment calibrated in accordance with the requirements of MIL-STD-45662, ANSI/NCSS Z540-1, or MIL-STD-120.

Records of inspection and tests providing objective evidence of the furnished items are on file and are available upon request.

BY: DFCI Solutions, Inc.


Manager for Quality Engineering



MCC 2/2
2-9-09
or



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
7	50	EA	MS21047-3		52792	PAOLO ASTORI	A3856		

Jason Lewis
Vice President of Quality

05/14/14

**PAOLO ASTORI SPA**

Via Mirabella, 9 - Maggiate Superiore
28013 Gattico (NO) - ITALY
Tel. (+39) 0322 838847
Fax (+39) 0322 880198
Web: www.paoloastori.com

**DOCUMENTO DI TRASPORTO (D.d.T.)****N° 8049****Data 23/08/2013****Pag 1 / 1**

9449

B/E AEROSPACE INC.CONSUMABLES MANAG
9835 NW 14TH ST.
MIAMI - FL
USA

Destinazione (Ship To):

370

B/E AEROSPACE INC.CONSUMABLES MANAG
9835 NW 14TH ST.

Cod.Cliente**33172 MIAMI - FL US**

Pos.	Descrizione merce Part Number	Rif.Ordine (PO Number)	Data Ordine (PO Date)	Quantità (Quantity)	U.M.	N° Lotto (Batch #)	Peso (Weight)	TR	QCIR	FAI
1	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	4000	N	52792	-		X	
2	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	-		X	
3	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	-		X	
4	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	-		X	
5	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	-		X	
6	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	-		X	
7	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	-		X	
8	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	-		X	
9	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	-		X	
10	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	-		X	
11	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	-		X	
12	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	-		X	
13	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	-		X	

• SUPPLIES RELEASED IN ACCORDANCE WITH REQUIREM. OF BAE/AG/SC1 PART 3- APPROVAL # BAE/AG/30631/MAA AND WITH AIRBUS SAS APPROVAL # 204788 Se sotto
150 lbs sped con fedex ground, account #0331-0149-0,mark:collect;se sopra 150 lbs sped con fedex economy,account #018757

Aspetto esteriore merce	Comprende DdT n°	Segue su DdT n° 8050
Tramite spedizione VETTORE	Modalità di consegna PORTO ASSEGNATO	Firma conducente
Causale trasporto VENDITA PRODUZIONE	Data inizio trasporto	Firma destinatario
Primo vettore FEDERAL EXPRESS EUROPE INC. # 327657348	Data ritiro merce	Firma primo vettore
Secondo vettore	Data ritiro merce	Firma secondo vettore

**PAOLO ASTORI SPA**

Via Mirabella, 9 - Maggiate Superiore
28013 Gattico (NO) - ITALY
Tel. (+39) 0322 838847
Fax (+39) 0322 880198
Web: www.paoloastori.com

**CERTIFICATE OF CONFORMANCE****N° 8049****Date 23/08/2013****To:**

B/E AEROSPACE INC. CONSUMABLES MANAG
9835 NW 14TH ST.
MIAMI - FL
USA

This is to certify that goods listed below have been inspected in our plant and are up to your orders and to the specifications of the drawings mentioned therein.

Country of origin is ITALY.

Pos	Part Number	Purchase Order	Order Date	Quantity	U.M.	Batch	Cure Date Expiry Date
1	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	4000	N	52792	
2	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	
3	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	
4	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	
5	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	
6	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	
7	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	
8	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	
9	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	
10	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	
11	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	
12	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	
13	MS21047-3(Rev. REV3)	0KJF24	15/08/2012	8000	N	52792	

9

- SUPPLIES RELEASED IN ACCORDANCE WITH REQUIREM. OF BAE/AG/SC1 PART 3- APPROVAL # BAE/AG/30631/MAA AND WITH AIRBUS SAS APPROVAL # 204788 Se sotto 150 lbs sped con fedex ground, account #0331-0149-0, mark: collect; se sopra 150 lbs sped con fedex economy, account #016757

Airbus approval # 204788 - BAE Approval # BAE/AG/30631/MAA - Complies with DFARS 252.225-7014. - Agusta-Westland Q500 approval # A/0047

All claims regarding the parts in subject must be reported to seller promptly. Credit or replacement of parts may be limited to those parts for which traceability has been maintained by the buyer. The seller manufacturing lot identification number and return authorization (RMA) must accompany all returns. Any discrepancy claimed by the Customer must be made in writing to seller not later than ninety (90) days after the shipping date. The liability of seller on parts found to be defective is limited to replacement or rework of such goods, at seller option, and in no case is to exceed the invoice value of such goods. Under no circumstance will seller be liable for damages or cost incurred by buyer or subsequent user beyond the invoice value of the parts in subject.



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
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www.beconsumables.com

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LIN#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
4	200	EA	AN3C5A		68634	MAC FASTENERS	ORPT4		


Jason Lewis
Vice President of Quality

05/14/14

MACFASTENERS, INC.

1110 Enterprise Street
Ottawa, KS 66067
Phone: 785-242-8812
Fax: 785-242-4616

Packing List**Bill B/E AEROSPACE CONSUMABLES MGMT**

To: 10000 NW 15TH TERRACE
MIAMI, FL 33172

Ship B/E AEROSPACE CONSUMABLES MGMT

To: 9835 NW 14th Street
Miami, FL 33172
United States

Shipment No: 62959
Shipment Date: 03/28/14
Ship Via: United Parcel Service
Order Number: 48534
Order Date: 07/26/13

Customer Code: BE AEROSPACE
Phone: (305) 925-2600
PO Number: 0RJS95
Terms: Net 30 Days

LOT #68634

<u>Item</u>	<u>Quantity</u>				<u>Unit</u>	<u>Description</u>	<u>Job Number</u>
	<u>Open</u>	<u>Shipped</u>	<u>Back Ord</u>	<u>Canceled</u>			
2	50,000	49,922	78		M	AN3C5A Bolt, machine-- Aircraft	68634



B/E Aerospace, Inc.

Page: 1 of 1

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
3	100	EA	212-12		1685421	ALCOA TORRANCE/CAMLO	71286		


Jason Lewis
Vice President of Quality

05/14/14

Inv # 05/14/14

Alcoa Fastening Systems



Shipper ID: 874555

Page: 1

Sold To: 5574
B/E AEROSPACE, INC.
ATTN: ACCOUNTS PAYABLE
P.O. BOX 025263
MIAMI, FL 33102-5263
USA

Ship To: 55740014
B/E AEROSPACE CONSUMABLES
9835 NW 14TH ST
MIAMI, FL 33172
USA

Shipped From:
AFS -TORRANCE
AEROSPACE PRODUCTS
TORRANCE OPERATIONS
3000 WEST LOMITA BLVD.
TORRANCE, CA 90505
TEL: 310-530-2220
USA

Ship Date: 03/03/14
Print Date: 03/03/14
Time: 12:55:14

Ship Via: FED EX
INCO Terms: FCA AFS TORRANCE

Container/Weight:
Carrier Shipment Ref: 874555
Bill Lading #:

SHIP VIA : FED EX

BUYER: EDWARD PANETTA

PHONE:

MATERIAL COMPLIES WITH DFARS 252.225-7009 PREFERENCE FOR DOMESTIC SPECIALTY METALS" WITH ITS ALTERNATE 1.

***SHIP VIA FEDX GRD COLLECT ACCT# 0391-0149-0 IF 150 LBS OR MORE SHIP FED

EX FREIGHT ECONOMY COLLECT ACCT# 018757 ***

DO NOT SHIP BY ANY OTHER WITHOUT PROPER WRITTEN AUTHORIZATION.

ALLOWABLE SHIPPING TOLERANCE = +0%-0%.

** BAR CODE PER QAP 33 CLAUSE P REQUIRED **

** QAP 33.0 REV H CLAUSES: A,B,C,E,H,P,U,V. CLAUSE A.3 GENERAL TERMS

APPLIES.

REV: B

RELEASE NUMBER: 9G2DOPEM11

Sales Order: F466665 Order Date: 05/14/13 Purchase Order: 0PEM11

Remarks: ADILENE

Ln	Item Number	Description	Rev	Qty Shipped	Qty B/O UM
3	BACR11AW2	RECEPTACLE (212-12)		25000.0	0.0 EA
	TSO C148				
	Cust Line #: 3				
	Customer Item: BACR11AW2				
	Required Date: 04/14/14	Promised Date: 04/21/14			
	MFG C OF C CHEM & PHYS TEST REPORT REQ				
	PLEASE DUAL CERT PART NUMBER BACR11AW2 TO PART NUMBERS: HS4430-1,				
	NSA55134-302, BACR11Y2				
	Loc/Lot: S5DD22	1624302		9,810.00	COO: CN

CERTIFICATE OF CONFORMANCE

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S. M. B. B. B.
Director of Quality Assurance
Torrance Operations

ALCOA GLOBAL FASTENERS, INC.

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CUSTOMER'S COPY

**Alcoa
Fastening
Systems**



Shipper ID: 874555

Page: 2

Sold To: 5574
B/E AEROSPACE, INC.
ATTN: ACCOUNTS PAYABLE
P.O. BOX 025263
MIAMI, FL 33102-5263
USA

Ship To: 55740014
B/E AEROSPACE CONSUMABLES
9835 NW 14TH ST
MIAMI, FL 33172
USA

Shipped From:
AFS -TORRANCE
AEROSPACE PRODUCTS
TORRANCE OPERATIONS
3000 WEST LOMITA BLVD.
TORRANCE, CA 90505
TEL: 310-530-2220
USA

Ship Date: 03/03/14
Print Date: 03/03/14
Time: 12:55:14

Ship Via: FED EX
INCO Terms: FCA AFS TORRANCE

Container/Weight:
Carrier Shipment Ref: 874555
Bill Lading #:

Ln Item Number Lot/Serial

3 BACR11AW2 *** Cont ***

Loc/Lot: S5DD24 1685421 15,190.00 COO: US

HTS CODE: 7415290000

SCHEDULE-B NUMBER: 7415290000

ECCN: 9A991

The export classification appears above. You are responsible for all
related export license requirements.

***** Total Qty Shipped:

25,000

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted below were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. This document must not be reproduced except in full and relates only to the items tested.

S. M. Borkel
Director of Quality Assurance
Torrance Operations

ALCOA GLOBAL FASTENERS, INC.

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. ANY CLAIM BASED ON AN ALLEGED DESCREPCANCY (IN AMOUNT, QUANTITY, ETC.), BETWEEN THE GOODS ACTUALLY SHIPPED AND / OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NO LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON.

CUSTOMER'S COPY

**Alcoa
Fastening
Systems**



Aerospace Products
Torrance Operations

3000 W Lomita Blvd
Torrance, CA 90505 USA
Tel: 1 310 784 2600

CERTIFICATE OF CONFORMANCE

CAMLOC CAGE CODE...71286

Customer :	B / E AEROSPACE
Part Number :	212-12
Customer P/N :	HS4430-1 REV. E
P.O. Number :	0PEM11
Lot Number :	1685421
Quantity :	15,190

This certifies that the above part number was tested in accordance with the quality conformance test proposal for Quarter Turn Panel Fasteners agreed upon by Boeing Corporation and Camloc Products. A sample from the lot was selected at random per MIL-STD-105, Inspection Level S-2, with an AQL of 1.0 percent. The test results for locking torque and unlocking torque are in conformance with Camloc Products design specifications. Tests for stud hardness are in conformance with paragraph 3.5.11 of MIL-F-5591 for alloy steel. Hardness for stud materials other than alloy steels are in conformance with table II of MIL-F-5591, which are in conformance with Camloc Products design specification. Tests for stud materials other than ally steel are in conformance with Camloc Products design specifications. These reports are on file and available for review.

Quality Assurance

The test report shall not be reproduced except in full, without the written approval of the laboratory; and the recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

Alcoa Global Fasteners, Inc.

ATS • Camloc • Delron • Eagle • Eurosim • Huck • Kaynar • K-FAST • Mairoll • Mecaero • Microdot • RAM • Rosan • Screw-Corp • Simmonds • SNEP • Technico • Tridair • Voi-Shan

Alcoa Fastening Systems
Torrance Operations

QUARTER TURN PRODUCT CERTIFICATION

The parts contained in this shipment have been manufactured and inspected in accordance with applicable drawings and specifications.

CUSTOMER NAME: **B / E AEROSPACE**

PURCHASE ORDER NO.: **0PEM11**

DATE: **03-04-14**

BOEING PART NUMBER: **BACR11AW2 REV B**

CAMLOC PART NO: **212-12**

PART DESCRIPTION: **RECEPTACLE**

PROCUREMENT SPEC. NO: **BPS-I-168 REV. B DATED 19 JAN 01**

LOT SIZE: **17,831**

LOT NO.: **1685421**

QTY. SHIPPED: **15,190**

SHIPPER NO.: **874555**

COMPONENT:	MATERIAL PRODUCER:	MATERIAL TYPE:	HEAT #:
RECEPTACLE	Alcoa Kelkheim	Silicon Bronze	ZZ-98395
RECEPTACLE	Alcoa Kelkheim	Silicon Bronze	ZZ-103707

MECHANICAL PROPERTY RESULTS:

ACCEPT:

REJECT:

ACCEPTANCE DATA:

VISUAL AND DIMENSIONAL REQUIREMENTS:



IN-PROCESS WORK ORDER

HARDNESS AND TORQUE FOR STUDS



TEST DATA SHEET

MINIMUM STOP STRENGTH RECEPTACLES:

TEST DATA SHEET

DEVIATIONS:

FINAL SHIPPING AUTHORIZATION:

DATE:

INSP. STAMP:

3-4-14



QUALITY ASSURANCE

TWO COPIES WITH EACH SHIPMENT

FORM 082195-2

The test report shall not be reproduced except in full, without the written approval of the laboratory; and the recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

**Alcoa
Fastening
Systems**



3000 W Lomita Blvd
Torrance, California 90505 USA
Tel: 1 310 530 2220
Fax: 1 310 784 4320

Processing Certification

380101

Date

06/09/2013

Lot Number

1584186

Lot Quantity

9958

Part Number

212-12

Type of Process

**CADMIUM PLATE
TYPE II, CLASS 2**

I.B.M. Number

412378

Specification

AMS-QQ-P-416C

Material Type

SI. BRONZE

Mony Barkol

Director of Quality Assurance



JUN 09 2013

Lab Tech Stamp / Date



*1685441
Receipt*

Alcoa Fastening Systems
Fairchild Fasteners Europe – Camloc GmbH
Industriestrasse 4-6, 65779 Kelkheim/Ts.
- GERMANY -



Äquivalente Oberflächenbehandlungen
Equivalent surface treatment processes

Oberflächenbehandlung / Surface treatment	
Verfahren / Process	Norm oder Produkt / Standard or Product
Passivieren von korrosionsbeständigen Stählen <i>passivation of corrosion resistant steel</i>	1200 LN 9368 EN 2516 C1
Anodisieren von Aluminium-Legierungen <i>Anodizing of aluminum alloy</i>	SAE AMS-A-8625 (withdrawn) MIL-A-8625
Schmierstoff-Beschichtung <i>Dry film lubricant coating</i>	MIL-L-46010B (withdrawn) MIL-PRF-46010F Everlube 9002 TM MOLYKOTE 3400A TM



5/11/12

CERT-002

Receipt

1085401



Date/datum : 21/05/2012

LE LAITON INJECTÉ

FAVI S.A.

S.A. au CAPITAL de 960 000 €

14 rue Louis Deneux

80490 HALLENCOURT FRANCE

Tél : 03 22 28 20 50

Fax : 03 22 28 60 83

Tél. International : 33 3 22 28 20 50 / Fax : 33 3 22 28 60 83

e-mail : favi@favi.com

http://www.favi.com

RCS d'AMIENS T78151563

DQ 7342

AFB Kalkheim, F&B-Comptoir Guerd			
Projet n°	MV 212 - 12 / A		
Part n°	ZZ - 98395		
	ZET	OVERFL	WASSE
Zet. AST	X		
Scanned:		Datum:	

RAPPORT METALLURGIQUE

Metallurgical report / Metallurgischer Bericht

Désignation :	Réceptacle Mv 212-12	N°:	18 217	Client/Customer/Kunde
Part/beschreibung n° :	Mv 212-12	Indice:	4	SAARNETALL
Lot de /batch off/Menge :	Four 28	N° lancement:	11159040 (semaine 21)	
Alliage/Alloy/Legierung :	CU ZN 16 SI 4 - C / (CU ZN 12 SI 4) / ASTM B176			

COMPOSITION CHIMIQUE / Chemical analysis/Chemische Analyse :

Analyses type %

Standard analysis/Standard Analyse

	Maxi	Mini
CU	83,00	78,00
Pb	0,80	/
Sn	0,30	/
Fe	0,60	/
NI	1,00	/
Al	0,10	/
Mn	0,20	/
SI	5,00	3,00
Zn	Solde	Solde

Analyses sur bain %

Melt analysis/Schmelzofenanalyse

CU	80,39
Pb	0,040
Sn	0,000
Fe	0,060
NI	0,000
Al	0,030
Mn	0,000
SI	3,99
Zn	Solde

Observations/Remarks/Bemerkungen:

Receptacle 1685421



JUL 2 6 2012

200 000 pièces envoyés le 06/07/2012

RESPONSABLE QUALITE		RESPONSABLE METALLURGIE	
Date :	31 mai 2012	Date :	31 mai 2012
Visa	J. BESSA	Visa	Y. HAUTEROUT
Diffusion Interne		Qualité	B.E. Fonderie

**Alcoa
Fastening
Systems**



3000 W Lomita Blvd
Torrance, California 90505 USA
Tel: 1 310 530 2220
Fax: 1 310 784 4320

Processing Certification

386994

Date

10/25/2013

Lot Number

1644631

Lot Quantity

9998

Part Number

212-12

Type of Process

**CADMIUM PLATE
TYPE II, CLASS 2**

I.B.M. Number

424153

Specification

AMS-QQ-P-416C

Material Type

SI. BRONZE

Mony Barkol

Director of Quality Assurance



OCT 25 2013

Lab Tech Stamp / Date



1644631

Recap book

Alcoa Fastening Systems
 Fairchild Fasteners Europe – Camloc GmbH
 Industriestrasse 4-6, 65779 Kelkheim/Ts.
 - GERMANY -

**Alcoa
 Fastening
 Systems**



Equivalente Oberflaechenbehandlungen
Equivalent surface treatment processes

Oberflaechenbehandlung / Surface treatment	
Verfahren / Process	Norme / Standards / Standard or Product
Passivieren von korrosionsbeständigen Staehlen <i>passivation of corrosion resistant steel</i>	1200 LN 9368 EN 2516
Anodisieren von Aluminium-Legierungen <i>Anodizing of aluminum alloy</i>	SAE AMS-A-8625 (withdrawn) MIL-A-8625
Schmierstoff-Beschichtung <i>Dry film lubricant coating</i>	MIL-L-46010B (withdrawn) MIL-PRF-46010F Everlube 9002 TM MOLYKOTE 3400A TM

CERT-002

Receptacle 1685401

JAN 16 2013

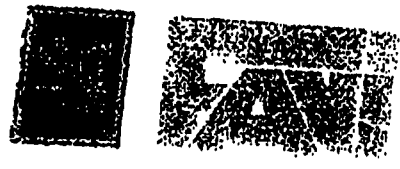
18/12/2012 18:51

+49-681-6006110

SAAR METALL VERKAUF

+49 681 6006110

S. 18/16



Date/datum : 27/07/2012

SAAR METALL VERKAUF		
Article	MV 212-12/A	
Lot	22-103707	
Quantité	Quantité	Quantité
Unité	Unité	Unité
Unité	Unité	Unité
Unité	Unité	Unité

LA LUTON ADVERT

FAVI S.A.
S.A. au CAPITAL de 900 000 €
14 rue Louis Donaux
60490 HALLENCOURT FRANCE
Tél : 03 22 28 20 50
Fax : 03 22 28 80 83
Tél International : 33 3 22 28 20 50 / 33 3 22 28 80 83
e-mail : lap@favi.com
<http://www.favi.com>

RAPPORT METALLURGIQUE

Metallurgical report / Metallurgischer Bericht

RCS d'AMENS 778181563
DQ 7342

Désignation :	Réceptacle mv 212-12	N° :	18 217	Client/Customer/Kunde
Part/beschreibung n° :	MV 212-12/A	Indice :	4	SAARMETALL
Lot de /batch of/Menge :	Four 28	N° lancement :	12040972 (semaine 30)	
Alliage/Alloy/Legierung :	CU ZN 16 SI 4 - C / (cu zn 12 si 4) / ASTM B176			

COMPOSITION CHIMIQUE / Chemical analysis/Chemische Analyse :

Analyses type %
Standard analysis/Standard Analyse

Analyses sur bain %
Melt analysis/Schmelzofenanalyse

	Maxi	Mini
CU	83,00	78,00
Pb	0,80	/
Sn	0,30	/
Fe	0,60	/
Ni	1,00	/
Al	0,10	/
Mn	0,20	/
Si	5,00	3,00
Zn	Solde	Solde

CU	80,98
Pb	0,080
Sn	0,100
Fe	0,070
Ni	0,110
Al	0,000
Mn	0,000
Si	3,91
Zn	Solde

Observations /Remarks/Bemerkungen :

250 000 pièces envoyés le 17/08/2012

RESPONSABLE QUALITE		RESPONSABLE METALLURGIE	
Date :	17 septembre 2012	Date :	17 septembre 2012
Vise :	J. BESSA	Vise :	Y. HAUTEBOUT
Diffusion Interne	Commercial	Qualité	B.E. Fonderie

Receptacle 1685421

JAN 16 2013



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
11	50	EA	MS24694S154		R25730	PILGRIM SCREW (RI)	47253		


Jason Lewis
Vice President of Quality

05/14/14

PILGRIM

Screw Corporation

PACKING LIST

ARIZONA - 480-917-2500

SHIPPED FROM
259 DEXTER STREET
PROVIDENCE, RI 02907

RHODE ISLAND - 401-274-4090

3/3/2008



PAC101056

M&MAERO

BILL TO: M & M AEROSPACE HARDWARE, INC.
P.O. BOX 025263
MIAMI FL 33102-5263

SHIP TO: M & M AEROSPACE HARDWARE, INC.
10000 N.W. 15TH TERRACE
MIAMI, FL 33172

OUR ORDER #	TERMS	FREIGHT SHIP VIA	SHIPPING DATE
ORD83325	0331-0149-0	C FEDEX COLLECT	2/29/2008
CUSTOMER PO #	 0BX849		

QTY	U/M	PART #	DRAWING #
 23,328	EA	 MS24694S154 5/16-24 X 1-13/32 PH 100F ALLOY/Cd2 LOT#: R25730 QTY: 23,328.00 pc#194 DFAR 252.225-7014 COMPLIANT = Y 16 CTNS, TOTAL WT. 720.00 LBS WITH 0 ON BACKORDER	NASM24694 Revision: NEW

PREFERENCE FOR DFARS 252.255-7014 ALT 1
LATEST REV
CHEM AND PHYS
SHIP SOONER IF POSSIBLE

CERTIFICATE OF COMPLIANCE

We hereby certify that all items delivered on this invoice comply with all applicable drawing, specification, and purchase order requirements. Evidence of such is on file for review for a minimum of 10 years. All products manufactured by Pilgrim Screw are of domestic origin and have not come in contact with mercury while in our possession. Also all special processes were performed by approved sources at the time of manufacture. Shortage claims must be made within (5) days after receipt of the goods. Quality claims must be made within (30) days after receipt of the goods. Returns will not be accepted without a 'Return Material Authorization' number. All goods returned must have the freight prepaid.

MADE IN THE USA

PILGRIM
JWW
QA MGR

Authorized Rep.



**Pilgrim
Screw**
CORPORATION

Established 1932

CHEMICAL AND PHYSICAL CERTIFICATE



SOLD TO

M & M AEROSPACE HARDWARE, INC.
10000 N.W. 15TH TERRACE
MIAMI FL 33172
USA

MADE IN THE USA

CAGE CODE: 47253

DOCUMENT # PSQR0001 REV 4

MANUFACTURED BY

PILGRIM SCREW CORPORATION
120 SPRAGUE STREET
PROVIDENCE RI 02907
USA

TEL. 401-274-4090 FAX. 401-861-9890

CUSTOMER PO #/ CONTRACT

0BX849

PACKING LIST

PAC101056

PURCHASE QTY

23,328

LOT # / JOB

R25730

MANUFACTURE DATE

11/19/2007

CERTIFICATION DATE

3/3/2008

RAW MATERIAL HEAT

477590

MATERIAL GRADE

UNS G87400

RAW MATERIAL SOURCE

WIRETECH/CHARTER

SPECIFICATION/PART# - DRAWING # - REVISION

MS24694S154

NASM24694

NEW

NOMENCLATURE/ITEM DESCRIPTION

5/16-24 UNF-3A X-1-13/32 PH 100 FLT ALLOY

PROCUREMENT SPECIFICATION

NASM7839

THREAD SPECIFICATION

MIL-S-7742D/OTHER

MATERIAL SPECIFICATION

AMS6322N

HEAT TREAT SPECIFICATION

AMS-H-6875A/AMS2759/1C

FINISH SPECIFICATION

AMS-QQ-P-416B CLASS 3 TYPE II

NOTES COMPLIANT WITH DFARS252.225-7014 ALT.1

QA TEST SUMMARY

UTLIMATE TENSILE LBS / P.S.I.

8238/142613

MAGNETIC PERMEABILITY

N/A

HARDNESS

29-31 HRC

YIELD LBS / P.S.I.

N/A

TORQUE IN / LBS

N/A

SHEAR LBS / P.S.I.

N/A

OTHER TESTS

HEAD STRUCTURE

DECARBURIZATION

MAGNETIC PARTICLE INSP

Test data will be on file for a least 10 years from the date of manufacture, or as agreed upon in the contract. This lot has been produced, sampled, tested, inspected, and marked in accordance with all contract and specification requirements, and the material complies with all the contract and specification requirements. Revisions and/or amendments to specifications, when applicable, are in parenthesis (). The product specified herein was not in contact with Mercury while in our possession. Class 1 ozone-depleting substances of the clean air amendment of 1990 were not used in the design, manufacture, or test of the item.

Electronically counted quantity is within +/- 1% Specified.

PILGRIM
JWL
QA MGR

James L. Lemoine



WireTech, Inc.

6440 E. Canning Street
Los Angeles, CA 90040
Phone (323) 722-4933
Fax (323) 721-2738

SOLD TO

Pilgrim Screw
259 Dexter Street
Providence, RI 02907
USA

WORK ORDER
057108

CERTIFICATION

HEAT NO.
477590
SALES ORDER / RLS
822989 / 1
ISO 9001-2000 REGISTERED



MECHANICAL TESTING
CERT # 911.01

CUSTOMER P.O. 45572	CUSTOMER PART RMWG87400-312D	QUANTITY 1,762 Lbs	CARRIERS 2	LADING NO 00067825	SHIPMENT DATE 10/05/2007			
SPECIFICATION P148740-103120A A-8740, AQ, SKFG, CHQ WIRE, SAIP PHOS & POLYMER, Size:0.311/0.313 Specifications: AMS 2301H, AMS 6322N, MIL-S-6049A AMEND 1, AMS-S-6049-A								
CERTIFICATION REQUIREMENTS								
Chemical Properties								
C	Si	Mn	P	S	Cu	Ni	Cr	Mo
.41	.24	.95	.013	.016	.15	.43	.42	.21
Physical Properties								
Grain Size	Jominy 1	Jominy 2	Jominy 3	Inclusions	Macro	Cleanliness	Mill Source	
6	J5=53	J8=45	J10=40	S2-R1-C2	GOOD	F&S=0	Charter	
Country of Origin								
USA - DFAR Compliant								
Mechanical Properties								
TEST	UNITS					Results		
Tensile Strength	KSI					82.5		
Yield Strength	KSI					70.2		
% Elongation	%					25.5		
% Reduction of Area	%					69.1		
Rockwell Hardness B Scale	HRB (s)					86		

Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandise is limited to replacement of it, or to repayment of it, or to repayment of the purchase price thereof, as we elect. Material cut to specific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse hereof. The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal statutes including Federal law, Title 18, Chapter 47.

REPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.

Wire Tech, Inc. metallurgical laboratory is accredited in the following test: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallographic mount preparation per ASTM E 3, decarburization depth per ASTM E 107, IFI 140, inclusion rating per ASTM E 45, decarburization performed as per IFI 140. The reported Chemical and Physical Properties are Mill Source results. Transcribed from mill certificates. HRB(S) are hardness results performed with a 1/16" steel ball. Unless otherwise specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. *Test result not covered by our current A2LA accreditation. Tests which have been undertaken by a subcontractor laboratory that is not accredited are not endorsed by A2LA or covered by Wire Tech, Inc. A2LA accreditation.

TEST RESULTS RELATE ONLY TO THE ITEMS TESTED.

Material is free of mercury, radium, or alpha contamination.

LOAD



CHARTER STEEL

CHARTER STEEL TEST REPORT Reverse Has Text And Codes

A Division of
Charter Manufacturing Company, Inc.

1658 Cold Springs Road

Saukville, Wisconsin 53080

(262) 268-2400

1-800-437-8789

FAX (262) 268-2570

Wiretech Incorporated
6440 East Canning Street
Los Angeles, CA 90040-
Attn:

Cust. P.O.	6056
Cust Part#	8740C1A230-C-R
Charter Sales Order	237848
Heat #	477590
Ship Lot #	516251
Grade#	8740 R SK FG AQ
Process	SA
Finish Size	29/32

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed below and on the reverse side, and that it satisfies those requirements.

Test Results of Heat Lot# 477590

Lab Code: 7388

OUTS. BILT SOURCE HEAT NUM. = N/R

Chemistry	C	MN	P	S	SI	NI	CR	MO	CU	SN	V
Wt%	0.41	0.95	0.013	0.016	0.240	0.43	0.42	0.21	0.16	0.008	0.001

	AL	N	B	TI	NB
	0.024	0.0060	0.0001	0.001	0.002

Jominy (HRC)	JOM01	JOM02	JOM03	JOM04	JOM05	JOM06	JOM07	JOM08	JOM09	JOM10	JOM11	JOM12
	58	58	57	55	53	51	48	45	42	40	40	38

	JOM13	JOM14	JOM15	JOM16	JOM18	JOM20	JOM22	JOM24	JOM26	JOM28	JOM30	JOM32
	37	36	34	34	33	32	32	31	31	30	30	29

JOMINY SAMPLE TYPE ENGLISH = B JOMINY LAB = 0358-01

CHEM. DEVIATION EXT.-GREEN = N/R

MACRO ETCH SURFACE = 1 MACRO ETCH RANDOM = 1 MACRO ETCH CENTER = 1

AMS 2301 FRQ AVE = 0.00 AMS 2301 FRQ IND = 0.00

AMS 2301 SEV AVE = 0.00 AMS 2301 SEV IND = 0.00

Test Results of Rolling Lot # 364838

MAX ALLOWABLE DEFECT = 0.0000

QC DEVIATION EXT.-GREEN = N/R

Test Results of Processing Lot # 516251

	# of Tests	Min Value	Max Value	Mean Value	
TENSILE (KSI)	2	83.1	87.0	85.1	TENSILE LAB = 0358-02
REDUCTION OF AREA (%)	2	60	67	64	RA LAB = 0358-02
ROCKWELL B (HRBW)	2	86	86	86	RB LAB = 0358-02
ROCKWELL C (HRC)	0	0	0	0	RC LAB = N/R

NUM DECARB = 2 FREE FERRITE DECARB = 0.000 FREE FERR & PARTIAL DECARB = 0.001

CP SPHERO % LAB = 0358-02 NUM SPHERO = 2 SPHERODIZATION (%) = 81.3

QC DEVIATION EXT.-PROCESSED = N/R

Specifications:

Manufactured per Charter Steel Quality Manual Rev 7, 10-27-06
Meets customer specifications with any applicable Charter Steel exceptions for the following customer documents:
Customer Document = COP 3010 Revision = M Dated = 12-MAR-2003

Additional Comments:

Meets requirements of AMS6322 N and AMS 2301 J

Charter Steel
Saukville, WI, USA

Fax number: (323) 728-6360

Rem: Load1, Mail0, Fax
ACCEPTED
Testing Laboratory

Tim Leahy
Tim Leahy
Manager of Quality Assurance
10/15/2007

The following statements are applicable to the material described on the front of this Test Report:

1. Except as noted, the steel supplied for this order was melted, rolled, and processed in the United States.
2. Mercury was not used during the manufacture of this product, nor was the steel contaminated with mercury during processing.
3. Unless directed by the customer, there are no welds in any of the coils produced for this order.
4. The laboratory that generated the analytical or test results can be identified by the following key:

Certificate Number	Lab Code	Laboratory		Address
0358-01	7388	CSMD	Charter Steel Melting Division	1653 Cold Springs Road, Saukville, WI 53080
0358-02	8171	CSR/CDPD	Charter Steel Rolling/Processing Division	1658 Cold Springs Road, Saukville, WI 53080
0358-03	123633	P4	Charter Steel Ohio Processing Division	6255 US Highway 23, Risingsun, OH 43457
0358-04	125544	CSC	Charter Steel Cleveland	4300 E. 49th St., Cuyahoga Heights, OH 44125-1004
358.05	128003	CSDT	Charter Steel Detroit	23860 Sherwood Ave. Center Line, MI 48015
.	.	--	Subcontracted test performed by laboratory not in Charter Steel system	

5. When run by a Charter Steel laboratory, the following tests were performed according to the latest revisions of the specifications listed below, as noted in the Charter Steel Laboratory Quality Manual:

Test	Possible Laboratory	Specification
Chemistry Analysis	CSMD, CSC	ASTM E415; ASTM E1019
X-ray Fluorescence Stainless and Alloy Steel	CSC	ASTM E572
Macroetch	CSMD, CSC	ASTM E381
Hardenability (Jominy)	CSMD, CSC	ASTM A255; SAE J406; JIS G0561
Grain Size	CSMD	ASTM E112
Tensile Test	CSR/CDPD, P4, CSC, CSDT	ASTM E8; ASTM A370
Rockwell Hardness	CSMD, CSR/CDPD, P4, CSC, CSDT	ASTM E18; ASTM A370
Microstructure (spheroidization)	CSR/CDPD, P4	ASTM A892
Inclusion Content (Methods A, E)	CSR/CDPD, CSC	ASTM E45

Charter Steel has been accredited to perform all of the above tests by the American Association for Laboratory Accreditation (A2LA). These accreditations expire 01/31/09.

All other test results associated with a Charter Steel laboratory that appear on the front of this report, if any, were performed according to documented procedures developed by Charter Steel and are not accredited by A2LA.

6. The test results on the front of this report are the true values measured on the samples taken from the production lot. They do not apply to any other sample.
7. This test report cannot be reproduced or distributed except in full without the written permission of Charter Steel. The primary customer whose name and address appear on the front of this form may reproduce this test report subject to the following restrictions:
 - It may be distributed only to their customers
 - Both sides of all pages must be reproduced in full
8. This certification is given subject to the terms and conditions of sale provided in Charter Steel's acknowledgement (designated by our Purchase Order number) to the customer's purchase order. Both Purchase Order numbers appear on the front page of this Report.
9. Where the customer has provided a specification, the results on the front of this test report conform to that specification unless otherwise noted on this test report.



Bodycote

THERMAL PROCESSING

WORCESTER DIVISION
284 GROVE STREET
WORCESTER, MA 01605
(508) 754-1724

Order No.: 279759

Date : 12-Feb-08
Page No.: 1

CERTIFICATION

SOLD TO: 55117
PILGRIM SCREW PRODUCTS
120 SPRAGUE ST.

PROVIDENCE RI 02907

SEND TO:
PILGRIM SCREW PRODUCTS
120 SPRAGUE ST.

PROVIDENCE RI 02907

Gentlemen:

We are pleased to submit our CERTIFICATION OF HEAT TREATMENT of the following;

Purchase Order No.	Packing List No.	Entry Date	Material
47244	8 OF 8	02/07/08	8740

Quantity	Part Number	
25310	MS24694S154	R25730

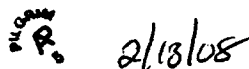
HARDEN AND TEMPER TO RC 26-32 PER AMS-H-6875A/AMS2759/1C
SUR: RC 26 32

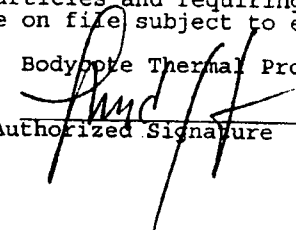
We hereby certify that the parts described above were given the following Heat Treatment and that temperatures and test results were obtained with standard approved methods.

HARDENED FROM 1550°F, OIL QUENCHED
TEMPERED AT 1100°F, AIR COOLED

20 PIECES TESTED AT: HRC 27/31

All processes involved in the production of these articles and requiring specific process approval have been so approved and certificates are on file subject to examination.



Bodycote Thermal Processing

Authorized Signature

CERTIFIED INSPECTION SERVICE CO., INC.

21 SOUTH 41st STREET
PHOENIX, ARIZONA 85034
Phone (602) 267-0661 FAX (602) 273-0034
cisinc5@qwest.net



418536

SOLD TO:

PILGRIM SCREW CORPORATION
PO BOX 1452
PROVIDENCE RI 02901

NOT SERVICES
PT, RT, MT

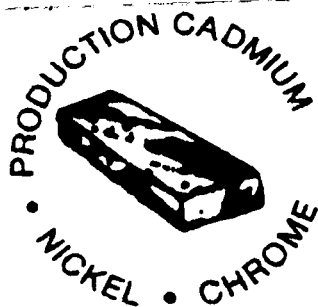
We certify that our calibration system
conforms to ANSI/NCSL 2540-1-1994

P.O. #	47461-R25730	Terms	NET 30	Date	02/26/2008
QTY.	DESCRIPTION			MAT.	TOTAL
50	MS24694S154 5/16-24 X 1-13/32			UNS G87400	

CERTIFICATION		
SPECIFICATIONS AND/OR PROCESSES PERFORMED:	ACCEPTED	REJECTED
MAGNETIC PARTICLE INSPECT I.A.W. ASTM E 1444-05 ACCEPTANCE CRITERIA PER NASM 7839	50	0

We hereby certify that the parts listed have been processed in conformance with the specification(s) noted. This report represents Certified Inspection Service's interpretation of the results obtained from the processing and is not to be construed as a guarantee or warranty of the materials processed.

INSPECTED BY: <i>H. Siordia</i>	LEVEL: I	INSPECTED BY:	LEVEL:	INSPECTED BY:	LEVEL:
2-27-08	03350 M-10 CS				



New Method Plating Co., Inc.



Established 1931



43 Hammond St.
Worcester, MA 01610
Phone 508.754.2671
Fax 508.754.1981
www.newmethodplating.com

CERTIFICATE OF COMPLIANCE

COMPANY PILGRIM SCREW CORP.

DATE 02-25-08

PO#

47416

LOT#

R25730

QUANTITY

25,290

CADMIUM PLATED IN ACCORDANCE WITH AMS QQ-P-416B

Class 3, Type II (Clear Yellow X)

Hardness: 26-32 HRC

☒ NO BAKE

☐ Before plating, bake at 375+/-25F for 4 hours. After plating, bake at 375+/-25F for 8 hours.

☐ Before plating, bake at 275+/-25F for 5 hours. After plating, bake at 275+/-25F for 23 hours.

☐ Before plating, bake at 375+/-25F for 4 hours. After plating, bake at 375+/-25F for 23 hours.

Thickness Test Results

Accept ☒ Reject ☐ Min.: Spec. .0002 Read .00025 Ave. .00030

Adhesion Test Results

Accept ☒ Reject ☐

Inspected by: *BU*

Certification

This lot has been processed, sampled, tested, and inspected in accordance with the contract and specification requirements listed above, and the plating and conversion coating complies with those contract and specification requirements. Process control data is on file and is available upon request.

Signed: *[Signature]*

Title:

Q.A. Manager

Date:

Feb 25 2008



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
9	10	EA	MS21069-5		46090	PAOLO ASTORI	A3856		


Jason Lewis
Vice President of Quality

05/14/14

PAOLO ASTORI

**PAOLO ASTORI SPA**

Via Mirabella, 9 - Maggiate Superiore
28013 Gattico (NO) - ITALY
Tel. (+39) 0322 838847
Fax (+39) 0322 880198
Web: www.paoloastori.com

**DOCUMENTO DI TRASPORTO (D.d.T.)****N° 3941****Data** 19/04/2013**Pag.** 1 / 1

9449

B/E AEROSPACE INC.CONSUMABLES MANAG
9835 NW 14TH ST.
MIAMI - FL
USA

Destinazione (Ship To):

370

B/E AEROSPACE INC.CONSUMABLES MANAG
9835 NW 14TH ST.

33172 MIAMI - FL US

Cod.Cliente

Pos.	Descrizione merce Part Number	Rif.Ordine (PO Number)	Data Ordine (PO Date)	Quantità (Quantity)	U.M.	N° Lotto (Batch #)	Peso (Weight)	TR	QCIR	FAI
1	MS21069-5 RELEASE W0290MRM87(Rev. REV1)	OMRM87	29/01/2013	2500	N	46090	-		X	
2	QCIR#46090 FOR MS21069-5 RELEASE W0(Rev. REV	OMRM87	29/01/2013	1	N		-			

- SUPPLIES RELEASED IN ACCORDANCE WITH REQUIREM. OF BAE/AG/SC1 PART 3- APPROVAL # BAE/AG/30631/MAA AND WITH AIRBUS SAS APPROVAL # 204768

Aspetto esteriore merce	Comprende DdT n° /	Segue su DdT n° 3342
Tramite spedizione VETTORE	Modalità di consegna PORTO ASSEGNATO	Firma conducente
Causale trasporto VENDITA PRODUZIONE	Data inizio trasporto	Firma destinatario
Primo vettore FEDERAL EXPRESS EUROPE INC. # 327657348	Data ritiro merce	Firma primo vettore
Secondo vettore	Data ritiro merce	Firma secondo vettore

AI SENSI DELL'ART.13 D.LGS 196 DEL 30/06/2003 IL DESTINATARIO PUO' AVERE ACCESSO AI SUOI DATI E CHIEDERNE LA MODIFICA,COME PREVISTO DALL'ART.7 DEL D.LGS 196 DEL 30/06/2003, SCRIVENDO A PAOLO ASTORI SPA, VIA MIRABELLA 9, 28013 MAGGIATE SUPERIORE - GATTICO (NO)

**PAOLO ASTORI SPA**

Via Mirabella, 9 - Maggiate Superiore
28013 Gattico (NO) - ITALY
Tel: (+39) 0322 838847
Fax (+39) 0322 880198
Web: www.paoloastori.com

**CERTIFICATE OF CONFORMANCE****N° 3941****Date 19/04/2013**

This is to certify that goods listed below have been inspected in our plant and are up to your orders and to the specifications of the drawings mentioned therein.

Country of origin is ITALY.

To:

**B/E AEROSPACE INC. CONSUMABLES MANAG
9835 NW 14TH ST.
MIAMI - FL
USA**

Pos	Part Number	Purchase Order	Order Date	Quantity	U.M.	Batch	Cure Date Expiry Date
1	MS21069-5 RELEASE W0290MRM87(Rev. REV1)	0MRM87	29/01/2013	2500	N	46090	
2	QCIR#46090 FOR MS21069-5 RELEASE W0(Rev.	0MRM87	29/01/2013	1	N		

- SUPPLIES RELEASED IN ACCORDANCE WITH REQUIREM. OF BAE/AG/SC1 PART 3. APPROVAL # BAE/AG/30631/MAA AND WITH AIRBUS SAS APPROVAL # 204788

Airbus approval # 204788 - BAE Approval # BAE/AG/30631/MAA - Complies with DFARS 252.225-7014. - Agusta-Westland Q500 approval # A/0047

All claims regarding the parts in subject must be reported to seller promptly. Credit or replacement of parts may be limited to those parts for which traceability has been maintained by the buyer. The seller manufacturing lot identification number and return authorization (RMA) must accompany all returns. Any discrepancy claimed by the Customer must be made in writing to seller not later than ninety (90) days after the shipping date. The liability of seller on parts found to be defective is limited to replacement or rework of such goods, at seller option, and in no case is to exceed the invoice value of such goods. Under no circumstance will seller be liable for damages or cost incurred by buyer or subsequent user beyond the invoice value of the parts in subject.



COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
- EN 9100:2008 -

QUALITY CONFORMANCE INSPECTION REPORT

Sede legale: via Mirabella, 9 - MAGGIATE Sup. - 28013 GATTICO (NO) ITALY-TEL: 0322-838847 FAX: 0322-880198 www.paolastori.com

STATEMENT OF CONFORMITY

THIS IS TO CERTIFY THAT PARTS HAVE BEEN PRODUCED, CONTROLLED AND ACCEPTED ACCORDING TO THE REQUIREMENTS OF THE APPLICABLE SPECIFICATION CALLED BY THE PURCHASE ORDER AND/OR THE APPLICABLE STANDARD DRAWING. MATERIAL, HEAT AND SURFACE TREATMENTS AND MANUFACTURING PROCESSES ARE THE SAME AS THOSE USED FOR THE QUALIFICATION APPROVAL. SAMPLES SUBJECT OF ALL TESTS WERE BEEN SELECTED AT RANDOM FROM THE PRODUCTION BATCH COVERED BY THIS DOCUMENT. COUNTRY OF ORIGIN ITALY. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF PAOLO ASTORI SPA.

Signature
Quality Representative

C
22

CUSTOMER see attached COC
P.O. see attached COC
PART NO. MS21069-5 per NASM21069 REV1 / NAS697XS REV10
ASTORI CODE LOAD25A502M21
DESCRIPTION NUT SELF-LOCKING, PLATE TWO LUG
PROCUREMENT SPEC. NASM25077
BATCH NO. 46090
BATCH QUANTITY 34.000
QUANTITY DELIVERED see attached COC

Description of component	Raw material specification	Raw material Batch no.	Heat N°	Heat treatment performed	Raw material in accordance with
NUT	SAB1042	-2804	00018718	hardening & tempering	ASTM A29
OTHER					
OTHER					
OTHER					

All claims regarding the parts in subject must be reported to seller promptly. Credit or replacement of parts may be limited to those parts for which traceability has been maintained by the buyer. The seller's manufacturing lot identification number and return authorization (RMA) must accompany all returns. Any discrepancy claimed by the Customer must be made in writing to seller not later than ninety (90) days after the shipping date. The liability of seller on parts found to be defective is limited to replacement or rework of such goods, as seller option, and in no case is to exceed the invoice value of such goods. Under no circumstance will seller be liable for damages or cost incurred by buyer or subsequent user beyond the invoice value of the parts in subject.

Date: 08/03/13 Batch N° 46090

page 1 of 5



COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
- EN 9100:2008 -

QUALITY CONFORMANCE INSPECTION REPORT

Sede legale: via Mirabella, 9 - MAGGIATE Sup. - 28013 GATTICO (NO) ITALY-TEL: 0322-838847 FAX: 0322-880198 www.paolastori.com

SUMMARIZED TEST RESULTS

(all tolerances are expressed in metric and imperial units - test results are recorded as read on the MTE)

Characteristic	Inspection or test to be Performed	Applicable or not	Sample Inspected	Inspection Media	Test Result	Note
Examination of product:						
Design	Verify the design of the nut	A	ALL	VISUAL	OK	
Self-locking device (Major A)	Examination	A	50	VISUAL	OK	see table 1
Thread fit (Major B)	Go-no go gauge - test bolt application	A	20	BOLT GO-GAGE	OK	see table 2
Bearing surface conditions and squareness (Major B)	Check surface roughness and orthogonality error	A	20	OPTICAL COMPARATOR	OK	see table 3
Surface finish, plating or surface treatment (Major B)	Verify the compliance of the surface treatment and condition	A	20	VISUAL	OK	see table 4
Rivet hole location and alignment (Major B)	Measure the position and the distance	A	20	DIGITAL CALIPER	OK	see table 5
Height of nut (Major B)	Measure the dimension	A	20	DIGITAL CALIPER	OK	see table 6
Loose or hanging burrs (Minor)	Verify the presence of any kind of burrs	A	8	VISUAL	OK	see table 7
All other dimensional characteristics not covered above (Minor)	Measure all dimensions with reference on the applicable standard	A	8	DIGITAL CALIPER	OK	see table 8 see attachment
Axial Tensile strength (Table DX)	Verify if the nuts withstand the minimum axial strength	A	10	LOAD MACHINE	OK	see table 9
Locking torque	See below					
Max locking torque (Table DX)	Measure and record the torque value for 1st, 7th, 15th of each nut tested	A	10	LOAD MACHINE	OK	see table 10
Min breakaway torque (Table DX)	Measure and record the torque value for 1st, 7th, 15th of each nut tested	A	10	TORQUE METER	OK	see table 11
Torque out (Table DX)	Torque out value must be not less than the requested value (attribute)	N/A	-	TORQUE METER	OK	see table 12
Push out (Table DX)	Push out value must be not less than the requested value (attribute)	A	10	LOAD MACHINE	OK	see table 13
Discontinuities (Major B)	No cracks at all - Depths of discontinuities not more than values	A	20	VISUAL	OK	see table 14
23-hour stress embrittlement (10 pcs)	Evidence of complete absence of stress embrittlement (attribute)	A	10	VISUAL	OK	see table 15
Magnetic permeability (Table DX)	Cres nuts must have less a magnetic permeability less than 2.0 in air for a field strength of H=200	N/A	-	LOW MU INDICATOR	OK	see table 16
Inspection of packaging (All boxes)	Verify the correctness of packaging	A	ALL	VISUAL	OK	see table 17

Date: 08/03/13

Batch N° 46090

page 2 of 5



QUALITY CONFORMANCE INSPECTION REPORT

Sede legale: via Mirabella, 9 - MAGGIATE Sop. - 28013 GATTICO (NO) ITALY-TEL: 0322-838847 FAX: 0322-880198 www.paolomeroni.com

COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY UNI
= EN 9100:2008 =

Table 1 - Self locking device - examination (control by attribute: ok/not ok)

OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK														

Table 2 - Thread fit (control by attribute: go-nogo gage ok/not ok - bolt application)

OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK												

Table 3 - Bearing surface max. squareness deviation admitted $0,15 \text{ mm (0,0059 in)}$ max. measured $0,08 \text{ mm (0,0024 in)}$
Surface roughness max. value admitted $3,2 (125 \text{ micro in})$ max. measured $1,6 (63 \text{ micro in})$

0,05	0,05	0,06	0,03	0,04	0,04	0,06	0,03	0,05	0,05	0,04	0,04	0,03	0,03	0,04	0,04
0,05	0,05	0,06	0,05												
1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6
1,6	1,6	1,6	1,6												

Table 4 - Surface finish, plating or surface treatment (control by attribute: ok/not ok)

Actual finishing **CADMIUM PLATED IN ACC WITH AMS-QQ-P-416 TYPE II CLASS 2**

OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK												

Table 5 - Rivet hole location and alignment.

Dimension requested $18,24 \pm 0,05 \text{ mm (0,718} \pm 0,002 \text{ in)}$ max. range measured $18,29 \text{ mm (0,720 in)}$

18,29	18,29	18,27	18,29	18,26	18,29	18,28	18,24	18,27	18,29	18,27	18,25	18,25	18,24	18,28	18,29
18,28	18,27	18,26	18,28												

Table 6 - Height of nut Dimension requested $8,33 \text{ mm max (0,328 in max)}$ max. range measured $7,16 \text{ mm (0,282 in)}$

7,09	7,16	7,13	7,14	7,12	7,14	7,12	7,10	7,11	7,12	7,10	7,15	7,15	7,11	7,14	7,13
7,16	7,14	7,16	7,12												

Date: 05/03/13 Batch N° 48090

page 3 of 5



QUALITY CONFORMANCE INSPECTION REPORT

COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY UNI
= EN 9100:2008 =

Sede legale: via Mirabella, 9 - MAGGIATE Sop. - 28013 GATTICO (NO) ITALY-TEL: 0322-838847 FAX: 0322-880198 www.paolomeroni.com

Table 7 - Loose or hanging burrs (control by attribute by means visual examination ok/not ok)

OK	OK	OK	OK	OK	OK	OK	OK								
----	----	----	----	----	----	----	----	--	--	--	--	--	--	--	--

Table 8 - All other dimensional characteristics not covered above (reference on the tolerances of the applicable standard dwg)

OK	OK	OK	OK	OK	OK	OK	OK								
----	----	----	----	----	----	----	----	--	--	--	--	--	--	--	--

Table 9 - Axial Tensile strength - Minimum load requested $32883 \text{ N (7360 lb)}$ max. measured $34000 \text{ N (7650 lb)}$

34000	34000	34000	34000	34000	34000	34000	34000	34000	34000	34000					
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--	--	--	--	--

Table 10 - Max locking torque -

Max. installation torque admitted $6,78 \text{ Nm (50,01 in-lb)}$ max. measured $4,19 \text{ Nm (37,09 in-lb)}$

4,08	4,10	4,15	4,00	4,13	4,19	4,08	3,94	4,02	3,98						
3,41	3,45	3,50	3,35	3,48	3,54	3,43	3,29	3,37	3,33						
2,94	2,98	3,03	2,88	3,01	3,07	2,98	2,82	2,90	2,86						

Table 11 - Min breakaway torque -

Min. breakaway torque requested $0,74 \text{ Nm (6,55 in-lb)}$ min. measured $2,75 \text{ Nm (24,34 in-lb)}$

3,78	3,82	3,87	3,72	3,86	3,91	3,80	3,66	3,74	3,70						
3,13	3,17	3,22	3,07	3,20	3,26	3,15	3,01	3,09	3,05						
2,87	2,91	2,96	2,81	2,94	3,00	2,89	2,75	2,83	2,79						

Table 12 - Torque out - Minimum requested value (control by attribute ok/not ok) N/A

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 13 - Push out - Minimum requested value 656 N (125 lb) (control by attribute ok/not ok) 610 N (137 lb)

OK	OK	OK	OK	OK	OK	OK	OK	OK	OK						
----	----	----	----	----	----	----	----	----	----	--	--	--	--	--	--

Date: 05/03/13

Batch N° 48090

page 4 of 5



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
5	20	EA	AN924-6J		6166	INLAND MACHINE	6W617		


Jason Lewis
Vice President of Quality

05/14/14

Inland Machine Co.

10762 EDISON CT.
RANCHO CUCAMONGA, CA 91730
Ph: (909)484-5579, Fax: (909)484-4825, Email:
IMCFITTINGS@EARTHLINK.NET

Invoice

To:
M & M AEROSPACE HARDWARE, INC.
P.O. BOX 025263
MIAMI, FL. 33102-5263

Ship To:
M & M AEROSPACE HARDWARE, INC.
10000 N.W. 15TH TERRACE
MIAMI, FL 33172

Invoice Date: 2/1/2010	Terms: 2 % 10 NET 30	Weight:	Ship Via: FEDEX FREIGHT LTL
Order Date: 4/15/2008	Cust. PO#: OEY623	# of Boxes:	Ship Via Acc: COLLECT
Ship Date: 2/1/2010	FOB:	Shipment #: 1	Invoice #: 37203
Sales Order: OEY623	Buyer:		
Customer #: MMAH1			

Item	Part Number/Description	Shipped	BackOrd	CD	Unit Price	Total Amt
------	-------------------------	---------	---------	----	------------	-----------

3 AN924-6J NUT REV.11
FULL CERTS

50000

0 NE

JOB# 6166

PARTS ARE DFAR COMPLIANT
PER: 252.225-7014 ALT.1

RELEASED BY:
LYSETTE BORGES

PACKING LIST

ALL PAST DUE ACCOUNTS SHALL BEAR INTEREST AT THE RATE OF 1
1/2 % PER MONTH. FORM001 REV. A

CERTIFICATION

WE CERTIFY THAT THE MATERIAL FURNISHED ON THIS
ORDER CONFORMS IN ALL RESPECTS TO APPLICABLE
BLUEPRINTS AND SPECIFICATIONS. EVID. OF
SUCH IS ON FILE WITH US OR OUR SUPPLIERS
SUBJECT TO EXAMINATION.



Ronald Doff 2-1-10



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
12	10	EA	MS9519-10		327284	CALIFORNIA SCREW PRO	8Z507		


Jason Lewis
Vice President of Quality

05/14/14



CALIFORNIA SCREW PRODUCTS CORPORATION
14957 GWENCHRIS COURT
PARAMOUNT, CALIFORNIA 90723-3423
TEL (562) 633-6626
FAX (562) 633-2082

PACKING SLIP

Original : 35380

*** Parts Manufactured in the USA ***

Sold To:
003635 B/E AEROSPACE CONSUMABLE MANAGEMENT P.O. BOX 025263 MIAMI, FLA 33102-5263

Ship To:
***** B/E AEROSPACE CONSUMABLE MANAGEMENT 9835 NW 14TH ST. MIAMI, FLA 33172

Customer P.O. No.		Sales Order	Date	Ship Via		Job No.
ORLW13		53677	04-09-14	FED EX GROUND/WATKIN		327284
Pos	Item	Ordered	Delivered Qty	Unit	Weight	No. of Cartons

10	MS9519-10	15000	15000	ea	234	6

B/E Aerospace, Inc. - Consumables Management
Self Release <i>Macelino Torres</i>
Signature and Stamp: _____
Date: APR 10 2014



**CALIFORNIA SCREW PRODUCTS CORP.**

14957 GWENCHRIS CT. PARAMOUNT, CA 90723

P: 562-633-6626

F: 562-529-7108

CAGE NUMBER : 8Z507

Airbus UK Approval No. AUK/SA/30144

Job Number : 327284

BAE/AG/30235 / MAA

TEST REPORT

Part Number : MS9519-10 Part Standard : AS9519 REV. B Shipped Quantity*: 15000
Customer : B/E AEROSPACE CONSUMABLE MANAGEMENT Cust. Purchase Order Number : ORLW13 Mfg Quantity: 16000
Procurement Spec. : AS7452 REV. A Thread Size & Form : .250-28 UNJF-3A Matl Spec: AMS 6322 REV. N
Surface Finish Spec : AMS2400 REV. X Thread Spec : AS 8879 REV. D Item Description: Bolt
Heat Treat Spec : AS 7452 REV. A Sample Size Spec. : AS 7452 REV. A Heat Number: 10249090
Mgntc Permeability : N/A * Actual piece count is within +/- 2% of the shown lot quantity.

NON-DESTRUCTIVE TESTS / SUBCONTRACTED (SEE CERTIFICATION)

Sample Size : 189 specimens Inspection Results: Accept : 189 Reject : 0 specimens
Magnetic Particle : ASTM E1444M-12 Fluorescent Penet. : N/A

METALLURGICAL EXAMINATION RESULTS

Sample Size : 5 specimens Accept : 5 Reject : 0 Lab Mount No. : 44977
GRAIN SIZE : N/A HEAD STRUCTURE : Accept LAPS : Accept MICRO STRUCTURE : Accept
FILLET COLD WORKED : Accept DECARB : Accept SEAMS : Accept CARBURIZED : Accept
GRAIN FLOW HEAD : Accept GRAIN FLOW THREAD : Accept CRACKS : Accept THREAD RUN OUT : Accept

MECHANICAL TESTS RESULTS

ULTIMATE TENSILE STRENGTH (lbs.) - Loc. of Failure: Threads Minimum Req.: 4850
Sample Size : 5 specimens Accept : 5 Reject : 0 Maximum Req.: 0

1. 5597	2. 5493	3. 5540	4. 5570	5. 5548	6. N/A	7. N/A	8. N/A
9. N/A	10. N/A	11. N/A	12. N/A	13. N/A	14. N/A	15. N/A	16. N/A
17. N/A	18. N/A	19. N/A	20. N/A	21. N/A	22. N/A	23. N/A	24. N/A
25. N/A	26. N/A	27. N/A	28. N/A	29. N/A	30. N/A	31. N/A	32. N/A

SHEAR (lbs.) S/D : N/A Sample Size : 0 specimens Accept : 0 Reject : 0 Minimum Req.: N/A

1. N/A	2. N/A	3. N/A	4. N/A	5. N/A	6. N/A	7. N/A	8. N/A
9. N/A	10. N/A	11. N/A	12. N/A	13. N/A	14. N/A	15. N/A	16. N/A
17. N/A	18. N/A	19. N/A	20. N/A	21. N/A	22. N/A	23. N/A	24. N/A
25. N/A	26. N/A	27. N/A	28. N/A	29. N/A	30. N/A	31. N/A	32. N/A

HARDNESS TEST - Sample Size : 20 Hardness Req. RC : 26-32 Hardness Results : 28-31

STRESS RUPTURE TEST - N/A Load (Lbs.) : 0 Temperature (F) : 0 Periodic test, REF Job No.
Sample Size : 0 Hours : 0

FATIGUE TEST - N/A Cycles : 0 Min Req. : 0
Sample Size : 0 Low Load (lbs.) : 0 High Load (lbs.) : 0

TORQUE TEST - N/A Sample Size : 0 Load (Lbs/in) : 0

STRESS DURABILITY TEST - N/A Sample Size : 0 LOAD (Lbs.) : 0 Hours : 0

STATEMENT OF CONFORMANCE:

This report relates only to items inspected/tested. Deviations from standard test methods, if any, are noted, and results from subcontracted inspection or testing, if any, are identified. All items were manufactured in the USA under a quality management system, which complies with ISO 9001 and with AS 9100. CALIFORNIA SCREW PRODUCTS CORP, hereby states: That the above product is mercury free; that the above listed lot has been produced, sampled, tested, inspected and marked in accordance with all requirements and that the product complies with all specification and contract requirements; that evidence of which is in the files of our company subject to examination. This report shall not be reproduced except in full, unless authorized in writing by CALIFORNIA SCREW PRODUCTS CORPORATION.

DFAR 252.225.7009
COMPLIANCE

B/E Aerospace, Inc. - Consumables Management

Self Release

Signature and Stamp:

APR 10 2014



FINAL INSPECTOR

(Name, Signature, Stamp and Date)



WireTech, Inc.

6440 E. Canning Street
Los Angeles, CA 90040
Phone (323) 722-4933
Fax (323) 721-2738

SOLD TO

Cal Screw Products
14957 Gwenchris Ct.
Paramount, CA 90723
USA

WORK ORDER/
102136

CERTIFICATION

HEAT NO.
10249090/
SALES ORDER / RLS
851697 / 1
ISO 9001-2000 REGISTERED



MECHANICAL TESTING
CERT # 911.01

J/N327284

CERT# 911.01

CUSTOMER P.O. 133019	CUSTOMER PART H1180	QUANTITY 1,052 Lbs	CARRIERS 1	LADING NO 00107593	SHIPMENT DATE 12/20/2013			
SPECIFICATION C048740-102290A A-8740, AQ, SKFS, CHQ WIRE, SEAM & DECARB FREE, SAIP Zinc Phosphate, Lime & Stearate Coating, Size:0.228/0.230/ Specifications: AMS 2301K, AMS 6322N, MIL-S-6049A/AMEND 1, AMS-S-6049-A								
CERTIFICATION REQUIREMENTS								
Chemical Properties								
C .40	Si .24	Mn .85	P .012	S .005	Cu .08	Ni .42	Cr .52	Mo .22
Physical Properties								
Grain Size Jominy 1 6 J5=54	Jominy 2 J8=47	Jominy 3 J10=44	Inclusions Macro S2-R1-C2	Cleanliness GOOD	Mill Source F&S=0 Charter			
Country of Origin USA - DFAR Compliant								
Mechanical Properties								
TEST	UNITS				Results			
Tensile Strength	KSI				85.8			
Yield Strength	KSI				72.9			
% Elongation	%				21.5			
% Reduction of Area	%				74.6			
Rockwell Hardness B Scale	HRB (s)				88			
Decarb (Total)	In				0.00			

Amir 9099

Joe Corrales

DEC 20 2013

DFAR 252.225.7009 COMPLIANCE

Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandise is limited to replacement of it, or to repayment of it, or to repayment of the purchase price thereof, as we elect. Material cut to specific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse hereof. "The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal statutes including Federal law, Title 18, Chapter 47."

REPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.

Wire Tech, Inc. metallurgical laboratory is accredited in the following test: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallographic mount preparation per ASTM E 3, decarburization depth per ASTM E 1077, IFI 140, inclusion rating per ASTM E 45, decarburization performed as per IFI 140. The reported Chemical and Physical Properties are Melt Source results. Transcribed from mill certificates. HRB(W) are hardness results performed with a 1/16" carbide ball. Unless otherwise specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. *Test result not covered by our current A2LA accreditation. Tests which have been undertaken by a subcontractor laboratory that is not accredited are not endorsed by A2LA or covered by Wire Tech, Inc. A2LA accreditation.

TEST RESULTS RELATE ONLY TO THE ITEMS TESTED.

DFAR Material per Clauses 252.225-7014 ALT. 1, 252.225-7009, & 225.003(9)

"LATEST REVISIONS OF ASTM"

Material is free of mercury, radium, or alpha contamination.

JN 327284

The following statements are applicable to the material described on the front of this Test Report:

1. Except as noted, the steel supplied for this order was melted, rolled, and processed in the United States meeting DFAR's compliance.
2. Mercury was not used during the manufacture of this product, nor was the steel contaminated with mercury during processing.
3. Unless directed by the customer, there are no welds in any of the coils produced for this order.
4. The laboratory that generated the analytical or test results can be identified by the following key:

Certificate Number	Lab Code	Laboratory		Address
0358-01	7388	CSSM	Charter Steel Melting Division	1653 Cold Springs Road, Saukville, WI 53080
0358-02	8171	CSSR/CSSP	Charter Steel Rolling/Processing Division	1658 Cold Springs Road, Saukville, WI 53080
0358-03	123633	CSFP	Charter Steel Ohio Processing Division	6255 US Highway 23, Risingsun, OH 43457
0358-04	125544	CSCM/CSCR	Charter Steel Cleveland	4300 E. 49th St., Cuyahoga Heights, OH 44125-1004
.	.	--	Subcontracted test performed by laboratory not in Charter Steel system	

5. When run by a Charter Steel laboratory, the following tests were performed according to the latest revisions of the specifications listed below, as noted in the Charter Steel Laboratory Quality Manual:

Test	Specification	CSSM	CSSR/CSSP	CSFP	CSCM/CSCR
Chemistry Analysis	ASTM E415; ASTM E1019	X			X
Macroetch	ASTM E381	X			X
Hardenability (Jominy)	ASTM A255; SAE J406; JIS G0561	X			X
Grain Size	ASTM E112	X	X	X	X
Tensile Test	ASTM E8; ASTM A370		X	X	X
Rockwell Hardness	ASTM E18; ASTM A370	X	X	X	X
Microstructure (spheroidization)	ASTM A892		X	X	
Inclusion Content (Methods A, E)	ASTM E45		X		X
Decarburization	ASTM E1077		X	X	X

Charter Steel has been accredited to perform all of the above tests by the American Association for Laboratory Accreditation (A2LA). These accreditations expire 01/31/15.

All other test results associated with a Charter Steel laboratory that appear on the front of this report, if any, were performed according to documented procedures developed by Charter Steel and are not accredited by A2LA.

6. The test results on the front of this report are the true values measured on the samples taken from the production lot. They do not apply to any other sample.
7. This test report cannot be reproduced or distributed except in full without the written permission of Charter Steel. The primary customer whose name and address appear on the front of this form may reproduce this test report subject to the following restrictions:
 - It may be distributed only to their customers
 - Both sides of all pages must be reproduced in full
8. This certification is given subject to the terms and conditions of sale provided in Charter Steel's acknowledgement (designated by our Sales Order number) to the customer's purchase order. Both order numbers appear on the front page of this Report.
9. Where the customer has provided a specification, the results on the front of this test report conform to that specification unless otherwise noted on this test report.



Handwritten: 9099
 Signature: Joe Corrao
 DEC 20 2013
 32 CSP

DFAR 252.225.7009 COMPLIANCE

Certification

Tri-J Heat Treating

327 E Commercial St,

Pomona CA 91767

Phone: 909-622-9999 Fax: 909-622-1790

Order No.: 40246

Date: 02/25/2014

Entry Date: 02/20/2014

Page: 1

To: CALIFORNIA SCREW PRODUCTS CORP
P.O. Box 228

PARAMOUNT CA 90723

Phone: 562-633-6626

Purchase Order No.: 136837

Job#: 327284

Material: 8740

1

We are pleased to provide you with the following Certification

Quantity	Part Number / Part Name / Part Description	Pounds
16,000	MS9519-10 REV NA, AS9519 REV B	260

Heat Treat to Specs - AS7452 Rev. A

Harden to specific hardness

Insp. Type	Scale	Minimum	Maximum	Scale	Minimum	Maximum	Value
Customer Requirements:				Results:			
Hardness	HRC	27.0	32.0	Hardness	HRC	28.0	31.0
							20.0

Process Steps

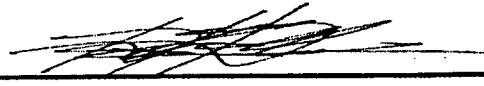
Step: 1 Process: OIL QUENCH

1550 F, %C .50, RPM 3200, OIL QUENCH 130 F.

Step: 2 Process: Temper

1065 F,

ISO 9001:2008 REGISTERED


Dean Rudenauer
QC Manager
Tri-J Heat Treating



PRECISION CONTROL FINISHING, INC.

12150 S. BLOOMFIELD AVE. BLDG D., SANTA FE SPRINGS, CA 90670
(562) 484-3930 FAX (562) 484-3940

102305

102305

TERMS: 1% within 10 days. Net 30 days. Net and Past Due thereafter subject to a service of 1.5% per month (18.0% per annum) for balances past due 30 days and over. Terms do not apply to C.O.D.

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CALIFORNIA SCREW PRODUCTS
14957 GWENCHRIS CRT.
PARAMOUNT, CA 90723

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P.O. NO.	TERMS NET 30	SHIPPED VIA	SHIPPER NO.	MATERIAL	SHIPPED DATE
137251	Net 30	30		8740	4/3/2014
QUANTITY	DESCRIPTION AND/OR PART NUMBER				SHIPPED
16,000	MS9519-10 REV.N/A (P/N AS9519 REV.B) JOB# 327284				
	CAD PLATED PER AMS2400X W/ CHROMATE TREATMENT				
	.0003 PLATING THICKNESS				
	H. W. D. S. (7%)				

P.C.F. LIABILITY SHOULD BE LIMITED TO THE COST OF DIRECT LABOR AND MATERIAL DAMAGE OR THREE TIMES OUR PROCESSING CHARGES ON MATERIAL, OR WHICHEVER IS LESS.
THE PURCHASER AGREES THAT IN THE EVENT HE FAILS TO PAY HIS ACCOUNT AND THE MATTER IS REFERRED TO AN ATTORNEY TO ENFORCE PAYMENT, HE WILL, IN ADDITION TO THE SUMS DUE, PAY A REASONABLE ATTORNEY'S FEES AND ANY COURT COSTS OF ENFORCEMENT.

TOTAL

WE HEREBY CERTIFY THE ABOVE LISTED PARTS ARE
PROCESSED IN ACCORDANCE WITH APPLICABLE
SPECIFICATION. TEST REPORTS ON FILE.

SPEC. NO. AMS-2400 REV. X

TYPE _____ CLASS _____

BY Guillermo Oliveros

Guillermo Oliveros
Q.C. Inspector

WE HEREBY CERTIFY THE ABOVE LISTED PARTS ARE
PROCESSED IN ACCORDANCE WITH.

SPEC. NO. _____

TYPE _____ CLASS _____

BY _____

WE HEREBY CERTIFY THE ABOVE LISTED PARTS ARE
PROCESSED IN ACCORDANCE WITH APPLICABLE
SPECIFICATION. TEST REPORTS ON FILE.

SPEC. NO. _____

TYPE _____ CLASS _____

BY _____

ANY DISCREPANCY MUST BE REPORTED WITHIN 24 HOURS

RECEIVED

SUBJECT TO CONDITIONS OF LIABILITY ON PACKING SLIP



HADD-CO-INSPECTION LAB

2420 Amsler Street, Torrance, CA 90505

Toll Free: (888) 339-8472 Phone: (310) 325-7620 Fax: (310) 325-9655

www.haddco.com Email: NDT@haddco.com

NO. 24169

Sold To:

CALIFORNIA SCREW PRODUCTS, INC.
14957 GWENCHRIS CT
PARAMOUNT, CA 90723
OUR TRUCK

P.O. Number:

137915

Job/Lot #:

327284

Completion Date:

4/7/14

CERTIFICATION

QUANTITY	PART NUMBER	DESCRIPTION
----------	-------------	-------------

189	MS9519-10 REV. N/A	
-----	--------------------	--

		MPI PER ASTM E1444/E1444M-12
--	--	------------------------------

		AS7452-A
--	--	----------

	AS9519 REV. B	
--	---------------	--

		MAT: 8740 PLATED
--	--	------------------

		189 PC SAMPLE OF 16000 PC LOT
--	--	-------------------------------

NO REJECTS

This is to certify that 100% of the parts under subject purchase order have been inspected by Magnetic Particle Inspection in accordance with all applicable and/or purchase order requirements.

Inspector:

MARTIN J. DIAZ Level II



NOTE: Altering of this certification renders it void.

CALIFORNIA SCREW PRODUCTS

14957 Gwenchris Court
Paramount, CA 90723

CHECK LIST OF DOCUMENTS TO CUSTOMER

JOB NUMBER: 327284

PART NUMBER: MS9519-10

DESCRIPTION	NUMBER OF PAGES
PACKAGING SLIP	1
TEST REPORT	1
DIMENSIONAL INSPECTION	N/A
CERTIFICATE OF QUALITY COMPLIANCE (COQC)	N/A
MATERIAL CERTIFICATE	3
HEAT TREATMENT CERTIFICATE	1
SURFACE FINISH CERTIFICATE (PLATE, PASSIVATE, ETC.)	1
NON-DESTRUCTIVE INSPECTION CERTIFICATE (MAG. FLUOR.)	1
FATIGUE TEST RESULTS	N/A
STRESS DURABILITY TEST RESULTS	N/A
CERTIFICATION OF PROCESSING	N/A
SALT SPRAY/HIGH HUMIDITY	N/A
STRESS CORROSION TEST CERTIFICATE	N/A
LOCKING ELEMENT CERTIFICATE	N/A
GOVERNMENT CONTRACT	N/A
P.O. TO ALL SERVICE	N/A
RELEASE AUTHORIZATION	N/A
THREAD INSPECTION REPORT	N/A
TOTAL:	8

* Indicates that all certifications are in one document.

PROCESSED BY:

MARIAELENA
TORRES

DATE:

APR 10 2014

Please check this list to assure that all documents are received and request for any missing one within 10 days after receiving material.

Your cooperation is greatly appreciated.



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
8	500	EA	MS21059L3K		5247349-000	ALCOA KAYNAR FULLERT	15653		


Jason Lewis
Vice President of Quality

05/14/14

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9947854616

Page: 1

Bill To: 5574
M & M AEROSPACE
HARDWARE, INC.
P.O. BOX 025263
MIAMI FL 33102-5263

Ship To: (1)
M & M AEROSPACE
10000 N.W. 15TH TERRACE
MIAMI FL 33172

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Order Contact:

Pack Date	Order #	Cust PO	Ship Via	Weight	Pkgs #
03/29/07	F230364	OE0498			

Line/Rel	Item	U/M	Qty Ordered	Qty To Pack
4-1	BG4250 F5000-3BC	EA	50,000	46,195

C/I: MS21059L3K *REV. 1*

PO Item #:

*** TSO C-148 APPVD PART. TSO LABEL REQ'D ***

Cust Date: 01/31/07

Kay Date: 04/06/06

Lot: 5247349-000

COO:MEXICO

Waybill:

ECCN:9A991 Schedule-B Number:7318.16.0000

The export classification appears above. You are responsible for all related export license requirements.

CHEM & PHYS & MFG C OF C REQ *REV. 6*
DUAL CERT MS21059L3K TO NAS1031A3K TO F5
000-3BC
BILL LINE 4 WITH LINE 5 & 6

BUYER:CLAUDIA

PHONE: 305-592-5155

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted above were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. **This document must not be reproduced except in full and relates only to the items tested.**

Cliff G. A. R.

Quality Manager
Fullerton Operations

ALCOA GLOBAL FASTENERS, INC.

Kaynar Products: Cage Code 15653

Eagle Products: Cage Code 66776

Rosan Products: Cage code 66776

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON. FOR ITEMS CERTIFIED TO BPS-N-70, ALLOY VERIFICATION HAS BEEN PERFORMED ON PARTS WITH A DATE OF MANUFACTURE ON OR AFTER JANUARY 1, 2001. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CUSTOMER'S COPY

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9947854616

Page: 2

Bill To: 5574
M & M AEROSPACE
HARDWARE, INC.
P.O. BOX 025263
MIAMI FL 33102-5263

Ship To: (1)
M & M AEROSPACE
10000 N.W. 15TH TERRACE
MIAMI FL 33172

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Order Contact:

Pack Date	Order #	Cust PO	Ship Via	Weight	Pkgs #
03/29/07	F230364	OE0498			

Line/Rel	Item	U/M	Qty Ordered	Qty To Pack
----------	------	-----	-------------	-------------

FAX: 305-591-8357

CHEM & PHYS & MFG C OF C REQ
"MUST STATE COUNTRY OF ORIGIN WHERE PART
S WERE MANUFACTURED ON CERTIFICATION
FOR EACH LOT NUMBER"
ALL ITEMS ON THIS PO MUST BE NEW AND TO
THE LATEST REV MFGS NAME & LOT# MUST
APPEAR ON PACKING SLIP ON ALL PAPER WORK
FOR ALL ITEMS.

FED X P1 BILL RECIPIENT ACCT: 0331-0149
-0. IF OVER 150 # USE WATKINS MOTOR
LINES ACCT. # 018757. CUST. REF: MUST
BE THEIR PO # "DO NOT PREPAY &
ADD TO ANY OF THE ABOVE METHODS"
"DO NOT INSURE SHIPMENTS" "CONSOLIDATE S
HIPMENTS WHERE EVER APPROPRIATE" DO
NOT SHIP PARTS BY ANY OTHER CARRIER THAN
THOSE LISTED ABOVE, WITHOUT PROPER

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted above were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. This document must not be reproduced except in full and relates only to the items tested.

Chit L. J. R.

Quality Manager
Fullerton Operations

ALCOA GLOBAL FASTENERS, INC.

Kaynar Products: Cage Code 15653 • Eagle Products: Cage Code 86778 • Rosan Products: Cage code 66776

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON. FOR ITEMS CERTIFIED TO BPS-N-70, ALLOY VERIFICATION HAS BEEN PERFORMED ON PARTS WITH A DATE OF MANUFACTURE ON OR AFTER JANUARY 1, 2001. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CUSTOMER'S COPY

**Alcoa
Fastening
Systems**

 Aerospace Products
Fullerton Operations
800 S. STATE COLLEGE BLVD
FULLERTON, CA 92831

TEST REPORT

8098766

Lot No.

5247349-000

 Supplier Item No.
BG4250

 Supplier Part No.
F5000-3BC

 Interchange Part No.
F5000-3BC

 Interchange Part No.
MS21059L3K Rev. 1

 Interchange Part No.
NAS1031A3K Rev. 6

 Interchange Part No.
NAS1031P3K Rev. 6

 Interchange Part No.
NAS686A3K Rev. 13

Interchange Part No.

 Manufactured Quantity
55405

Mfg. Date

 Generic Description
NUT ANCHOR TWO LUG

 Thread Size
.1900-32

HEAT TREAT

AMS-H-6875

PLATE/COAT

AMS-QQ-P-416 TYII CL2

LUBRICATION

ASS272 TY I

NON-DESTRUCT

ASTM E1444 SAMPLE

 PERFORMANCE
NASM25027

 Material Spec. # 1
AMS 5085-F

 Mill Heat No.
0159-001-004

 Control Heat No.
CC13007B

 Material Supplier
CALSTRIP INDUSTRIES INC

 Material Spec. # 2
AMS 5085-F

 Mill Heat No.
0158-001

 Control Heat No.
CC13085B

 Material Supplier
CALSTRIP INDUSTRIES INC

Special Process Requirements:

 THREADS AND GAUGING PER MIL-S-8879C AND
ANSI B1.3M SYS. 22
MIN EQUALS BKWY MAX EQUALS INST.

TEST RESULTS

----- TEST ----- No. Description	JOM IN#	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
1 - 010 TORQUE TEST		1	1	7.40	9.20		2.00	18.00
			7	6.70	9.30			
			15	7.20	8.80			
		2	1	5.90	6.60			
			7	3.80	4.20			
			15	4.30	4.70			
		3	1	8.40	11.40			
			7	9.00	11.30			
			15	10.30	12.40			
		4	1	6.40	8.10			
			7	9.20	10.80			
			15	7.60	10.70			
		5	1	8.70	10.80			
			7	7.20	8.90			
			15	8.00	9.60			
		6	1	8.80	11.70			
			7	6.20	7.10			
			15	5.20	7.00			
		7	1	6.40	8.90			
			7	7.00	9.00			
			15	5.30	7.60			

TEST RESULTS - Continued on next page.

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CHRISTOPHER J. FREDRICKSON QA MGR.

**Alcoa
Fastening
Systems**Aerospace Products
Fullerton Operations
800 S. STATE COLLEGE BLVD
FULLERTON, CA 92831**TEST REPORT**

NO.

8098766

Lot No.

5247349-000

Supplier Item No.
BG4250Supplier Part No.
F5000-3BC**TEST RESULTS - Continued from previous page.**

TEST No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
4 - 050 EMBRITTLEMENT 23 HOURS	HRS	8	1	8.70	9.90	Pass		
			7	8.80	10.30			
			15	8.60	9.20			
		9	1	7.10	9.10			
			7	6.80	9.20			
			15	6.20	9.70			
		10	1	7.00	8.90			
			7	8.00	9.10			
			15	8.00	8.20			
		11	1	6.40	8.80			
			7	8.40	10.10			
			15	5.10	6.70			
		12	1	6.30	8.60			
			7	7.50	10.20			
			15	7.30	8.90			
		13	1	8.00	9.90			
			7	9.00	9.90			
			15	8.60	13.60			
		14	1	7.40	9.50			
			7	8.80	10.80			
			15	6.80	9.50			
		15	1	6.80	8.80			
			7	8.40	10.80			
			15	8.10	10.40			
5 - 070 TORQUE-OUT	LBS	1	1			Pass	60.00	
			1			Pass		
			1			Pass		
			1			Pass		
			1			Pass		
			1			Pass		
		2	1	60.00		Pass		
			1	60.00		Pass		
			1	60.00		Pass		
			1	60.00		Pass		
			1	60.00		Pass		
			1	60.00		Pass		

TEST RESULTS - Continued on next page.**THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL AND RELATES ONLY TO THE ITEMS TESTED**

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CHRISTOPHER J. FREDRICKSON QA MGR.

**Alcoa
Fastening
Systems**Aerospace Products
Fullerton Operations
800 S. STATE COLLEGE BLVD
FULLERTON, CA 92831**TEST REPORT**

NO.

8098766

Page 3 of 4

Lot No.

5247349-000

Supplier Item No.
BG4250Supplier Part No.
F5000-3BC**TEST RESULTS - Continued from previous page.**

----- TEST ----- No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
6 - 080 PUSH-OUT	LBS	7	1	60.00				
		8	1	60.00				
		9	1	60.00				
		10	1	60.00				
		11	1	60.00				
		12	1	60.00				
		13	1	60.00				
		14	1	60.00				
		15	1	60.00				
		1	1	100.00			100.00	
		2	1	100.00				
		3	1	100.00				
		4	1	100.00				
		5	1	100.00				
		6	1	100.00				
7 - 110 HARDNESS HRC	HRC	7	1	100.00				
		8	1	100.00				
11 - 020 TENSILE TEST 2460 lbs min	LBS	9	1	100.00				
		10	1	100.00				
		11	1	100.00				
		12	1	100.00				
		13	1	100.00				
		14	1	100.00				
		15	1	100.00				
		1	1	41.00	41.00			
		2	1	2600.00				
		3	1	2600.00				
		4	1	2600.00				
		5	1	2600.00				
		6	1	2600.00				
		7	1	2600.00				
		8	1	2600.00				
		9	1	2600.00				
		10	1	2600.00				
		11	1	2600.00				
		12	1	2600.00				
		13	1	2600.00				
		14	1	2600.00				

TEST RESULTS - Continued on next page.**THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL AND RELATES ONLY TO THE ITEMS TESTED**

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CHRISTOPHER J. FREDRICKSON QA MGR.

**Alcoa
Fastening
Systems**Aerospace Products
Fullerton Operations
800 S. STATE COLLEGE BLVD
FULLERTON, CA 92831**TEST REPORT**

NO.

8098766

Lot No.

5247349-000

Supplier Item No.
BG4250Supplier Part No.
F5000-3BC**TEST RESULTS - Continued from previous page**

----- TEST ----- No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
		15	1	3110.00				

Component # 1	Lot Number 5233196-000	Supplier Part No. F5000-3BCFB	Supplier Item No. BG4270
Manufactured Quantity	Mfg. Date	Generic Description BASKET	Thread Size
Material Spec. # AMS 5085-F	Mill Heat No. 0159-001-004	Control Heat No. CC13007B	Material Supplier CALSTRIP INDUSTRIES INC

Component # 2	Lot Number 5238181-000	Supplier Part No. MS100 .020 X .750 STRIP	Supplier Item No. 081419
Manufactured Quantity	Mfg. Date 12/09/06	Generic Description	Thread Size
Material Spec. # AMS 5085-F	Mill Heat No. 0159-001-004	Control Heat No. CC13007B	Material Supplier CALSTRIP INDUSTRIES INC

Component # 3	Lot Number m000840-000	Supplier Part No. F5000-3xn	Supplier Item No. BG4350
Manufactured Quantity	Mfg. Date	Generic Description NUT-FLOATING	Thread Size .1900-32
Material Spec. # AMS 5085-F	Mill Heat No. 0158-001	Control Heat No. CC13085B	Material Supplier CALSTRIP INDUSTRIES INC

Component # 4	Lot Number 5234693-000	Supplier Part No. MS100 .038 X .750 STRIP	Supplier Item No. 083219
Manufactured Quantity	Mfg. Date 10/30/06	Generic Description	Thread Size
Material Spec. # AMS 5085-F	Mill Heat No. 0158-001	Control Heat No. CC13085B	Material Supplier CALSTRIP INDUSTRIES INC

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CHRISTOPHER J. FREDRICKSON QA MGR.

CERTIFIED TEST REPORT**Calstrip Steel Corporation**7140 Bandini Blvd. • Los Angeles, CA 90040-3388
(323)726-1345 • Fax (323)722-8269

CC130078

Customer: ALCOA FASTENING SYSTEMS Address: P.O. BOX 1186 PITTSBURGH, PA 15230	Order Number: S23185 Customer PO: 220157883 Shipped Date: 11/09/2006 Packlist ID: 45355
Part ID: 081494-CS Description: 1050 CR .020 X 8.250 X COIL	Material Spec: 1050 AMS 5085F, ASTM A827-02, MS 100 REV.7

HeatID: 0159-001-004

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Ni	Cr	Cu	Mo	Resi
0.5410	0.6800	0.0149	0.0042	0.2060	0.0100	0.0600			
W	V	Sn	Ti	Al	Ca	Zr	Co	N	B

MECHANICAL AND PHYSICAL PROPERTIES

Yield	Tensile	Elong %	Hardness	Bend Test
			HRB 74	OK
Grain Size	Olsen Test	Spher%	Decarb	Reduct %
8		100	0	

Skid Numbers	# of Coils	Weight
W34909-4	1	2,630
W34909-5	1	2,548
W34909-6	1	2,620
W34909-7	1	2,738
	4	10,536

Comment: SOURCE- HANKOOK (KOREA)

11-16-06

K150

All work on this order has been performed in accordance with the Company's Quality Assurance Manual.

MARIO VARGAS

Technical Services

Form #:

Print Date: 11/9/2006

Page: 2

SHIPPER#: 9947854616

Date Created: Thu Mar 29 12:57:42 2007

MANUFACTURER :  HANKOOK METAL IND. CO., LTD.
TEL 054-278-2886, FAX 054-278-2889

DATE OF TEST : 2006-05-10

Young N - Yoo

SHIPPER#: 9947854616

[illegible]

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH RULES OF THE CONTRACT.

CERTIFIED TEST REPORT**Calstrip Steel Corporation**7140 Bandini Blvd. * Los Angeles, CA 90040-3388
(323)726-1345 * Fax (323)722-8269

Customer: ALCOA FASTENING SYSTEMS Address: P.O. BOX 1186 PITTSBURGH, PA 15230	Order Number: S18752 Customer PO: 220157881 Shipped Date: 09/21/2006 Packlist ID: 43006
Part ID: 083295-CS Description: 1050 CR .038 X 8.500 X COIL	Material Spec: 1050 AMS 5085F, ASTM A827-02, MS 100 REV.7

HeatID: 0158-001

CHEMICAL ANALYSIS

CC13085B

C	Mn	P	S	Si	Ni	Cr	Cu	Mo	Resl
0.5500	0.6600	0.0161	0.0032	0.2030	0.0100	0.0700			
W	V	Sn	Ti	Al	Ca	Zr	Co	N	B

MECHANICAL AND PHYSICAL PROPERTIES

Yield	Tensile	Elong %	Hardness	Bend Test
			HRB 84	OK
Grain Size	Olsen Test	Spher%	Decarb	Reduct %
8		100	0	

Skid Numbers	# of Coils	Weight
W32819-1	1	1,603
W32819-2	1	1,685
W32819-3	1	1,609
	3	4,897

Comment: SOURCE- HANKOOK (KOREA)
CUSTOMER APPROVED 9-12-06

9/29/06 K113

All work on this order has been performed in accordance with the Company's Quality Assurance Manual.

MARIO VARGAS Technical Services

Form #:

Print Date: 9/21/2006

Page: 1

SHIPPER #: 9947854616

MANUFACTURER :  HANKOOK METAL IND. CO.
TEL 054-278-2886, FAX 054-27

DATE OF TEST : 2006-05-10

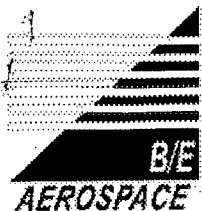
CERTIFICATE NO: 7FE0047

[illegible]

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH RULES OF THE CONTRACT.

Young H - You

CHIEF OF INSP. & ASSURANCE PAF



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 9835 NW 14TH ST, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO24179

LINE#	QUANTITY	U/PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	CURE DATE	EXP DATE
13	75 EA	NAS1611-005		KMCE18	INTERNATIONAL SEAL/S	1CN74	01/01/12	UNLIMITED


Jason Lewis
Vice President of Quality

05/14/14

04/20/12

CUSTOMS INVOICE/PACKING SHEET



3206924 02

Cust#: 41513

SOLD TO: B/E AEROSPACE
CONSUMABLES MANAGEMENTSHIP TO: B/E Aerospace Consumables Management
9835 NW 14TH ST
MIAMI, FL 33172

MIAMI, FL 33172

Pref. Routing Routine: SEE NOTES RE: WEIGHT

UPC VENDOR	INVOICE NO.	ON DOCK
000000		03/09/12
PROMISED	REQUEST	SHIPPED
03/19/12	03/19/12	
CUSTOMER P.O.		CUSTOMER RELEASE
0FWS12		0FWS12

CORRESPONDENCE TO:

B/E AEROSPACE
CONSUMABLES MANAGEMENT
10000 N.W. 15th Terrace

Miami, FL 33172

P.O. NUMBER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
0FWS12	1	NAS1611-005		561.00	EA				561.00	0.00	561.00
		Desc: PACKING "11" PCAT: S 292388 MFR- Name: INTERNATIONAL SEAL - FNGP Revision: 11 MFR- Batch: KMCE18 IT IS HEREBY CERTIFIED THAT THE ITEM IDENTIFIED HEREIN CONFORMS TO AN ESTABLISHED INDUSTRY, U.S. GOVERNMENT, OR COMMERCIAL STANDARD. PARTS ARE BEING SHIPPED BY KAPCO ON BEHALF OF BE AEROSPACE CONSUMABLES MANAGEMENT, UNDER LICENSING AGREEMENT. S/L: UNLTD ARP5316 INSP BY: Norma Estrada 04/20/2012		561.00		Cure: 1Q2012		US			

The merchandise listed has been produced in accordance with Fair Labor Standards Act of 1938 as amended. No claims allowed unless made within ten (10) days after receipts of Goods and in no case shall the liability assumed by us under the guarantees either expressed or implied, exceed the face value of the invoice for the merchandise in question.

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. Law is prohibited.
SHIPPED UNDER NLR HS#8803.30.0010 - ECCN: 9A991.D
COUNTRY OF ORIGIN: USA

TOTAL BOX VALUE:

PAGE 1

FOR CUSTOMS PURPOSES ONLY. DO NOT PAY FROM THIS DOCUMENT.



CERTIFICATE OF CONFORMANCE

WE HEREBY CERTIFY THAT THE PRODUCT SUPPLIED IS NEWLY MANUFACTURED, CONFORMS TO THE APPROVED DESIGN DATA, AND MEETS ALL REQUIREMENTS OF THE APPLICABLE PURCHASE ORDER. EVIDENCE OF CONFORMANCE IS ON FILE AND AVAILABLE FOR REVIEW UPON REQUEST.

PETE CURTI
CORPORATE VICE PRESIDENT OF QUALITY

Thank You For This Order
PACKING LIST

----- CERTIFICATE OF CONFORMANCE -----

TO: KAPCO
3120 E. ENTERPRISE STREET
BREA, CA 92821

Cust. PO NO: 295941-00

Contract NO:
S/O Number: 06258343

Specification : NAS 1613 Rev 2

L#	Our Part Number/Customer P/N	Quantity	Batch	Cure
001	62AS568-005 E458 NAS1611-005	800.00	KMCE18	1Q12
			NAS1611-005 REV 11	

Test Description	Test Results	Requirements
Examination of Product (MIL-STD-413)	Pass	
Fluid Immersion, Skydrol 500B4; 70 hrs @ 160F; ASTM D471: Volume Change, %	7.2	0 To 8
Specific Gravity ASTM D297	1.2	1.18 To 1.22
Hardness, Durometer M; Unsoaked Condition	84	75 To 85

THIS IS A COPY OF THE ORIGINAL
CERTIFICATION AS DELIVERED
TO KAPCO

KAPCO ICN

292388 -

INSP BY



This is to certify that the above parts were made in conformity with the specification listed, and that the above test results were obtained. This report shall not be reproduced, except in full, without the written approval of ISC-FNGP laboratory. The material furnished is free from Mercury contamination.

Signed:

Title : Quality Assurance Representative
Date : 04/18/12

Country of Origin USA